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OM protein - protein search, using sw model

Run on: March 14, 2005, 10:48:30 ; Search time 136 Seconds
(without alignments)
562.677 Million cell updates/sec

Title: US-09-847-208b-3
Perfect score: 1260
Sequence: 1 EPRSCDKTHTCPPCPAPPELL.....MHEALNHVYQGRSLSPGK 232

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1396920 seqs, 32984858 residues

Total number of hits satisfying chosen parameters: 881024

Minimum DB seq length: 0
Maximum DB seq length: 232

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubppaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubppaa/PC7_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubppaa/US06_PUBCOMB.pep.*
- 4: /cgn2_6/ptodata/2/pubppaa/US07_NEW_PUB.pep.*
- 5: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep.*
- 6: /cgn2_6/ptodata/2/pubppaa/PC7US_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubppaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubppaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubppaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubppaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubppaa/US09C_PUBCOMB.pep.*
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- 14: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubppaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubppaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubppaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubppaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubppaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/2/pubppaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1260	100.0	232	10 US-09-847-208-3	Sequence 3, Appl1
2	1260	100.0	232	14 US-10-000-439-3	Sequence 3, Appl1
3	1225	97.2	232	9 US-09-996-357-10	Sequence 10, Appl1
4	1225	97.2	232	10 US-09-389-782-1	Sequence 1, Appl1
5	1225	97.2	232	16 US-10-617-619-7	Sequence 7, Appl1
6	1225	97.2	232	16 US-10-761-593-26	Sequence 26, Appl1
7	1219	96.7	232	14 US-10-071-499A-15	Sequence 15, Appl1
8	1219	96.7	232	14 US-10-020-354-83	Sequence 83, Appl1
9	1219	96.7	232	5 US-10-466-593-2	Sequence 2, Appl1
10	1209	96.0	232	9 US-09-977-034-4	Sequence 4, Appl1
11	1209	96.0	232	14 US-10-292-418-2	Sequence 6, Appl1
12	1209	96.0	232	15 US-10-419-058-6	Sequence 6, Appl1
13	1209	96.0	232	17 US-10-953-259-4	Sequence 4, Appl1

14	1201	95.3	232	14 US-10-313-135-4	Sequence 4, Appl1
15	1196	94.9	229	17 US-10-879-994-8	Sequence 8, Appl1
16	1195	94.8	227	15 US-10-269-699-60	Sequence 60, Appl1
17	1195	94.8	227	15 US-10-435-608-2	Sequence 2, Appl1
18	1195	94.8	227	15 US-10-410-998-60	Sequence 60, Appl1
19	1195	94.8	227	15 US-10-622-108-2	Sequence 2, Appl1
20	1195	94.8	227	16 US-10-742-379-296	Sequence 296, App
21	1195	94.8	228	9 US-09-847-712-2	Sequence 2, Appl1
22	1195	94.8	228	9 US-09-840-277-2	Sequence 2, Appl1
23	1195	94.8	228	10 US-09-843-221A-2	Sequence 2, Appl1
24	1195	94.8	228	10 US-09-840-669B-2	Sequence 2, Appl1
25	1195	94.8	228	14 US-10-269-806-32	Sequence 32, Appl1
26	1195	94.8	228	15 US-10-145-206-2	Sequence 2, Appl1
27	1195	94.8	228	15 US-10-609-217-2	Sequence 2, Appl1
28	1195	94.8	228	15 US-10-632-388-2	Sequence 2, Appl1
29	1195	94.8	228	15 US-10-651-723-2	Sequence 2, Appl1
30	1195	94.8	228	15 US-10-645-761-2	Sequence 2, Appl1
31	1195	94.8	228	15 US-10-666-696-2	Sequence 2, Appl1
32	1195	94.8	228	15 US-10-653-048-2	Sequence 2, Appl1
33	1195	94.8	228	16 US-10-666-480-60	Sequence 60, Appl1
34	1195	94.8	228	17 US-10-925-183-2	Sequence 2, Appl1
35	1195	94.8	229	13 US-10-215-297-2	Sequence 2, Appl1
36	1195	94.8	229	13 US-10-215-297-2	Sequence 2, Appl1
37	1195	94.8	229	14 US-10-215-298-2	Sequence 2, Appl1
38	1192.5	94.6	232	15 US-10-433-108-32	Sequence 32, Appl1
39	1186	94.1	232	14 US-10-008-063-32	Sequence 32, Appl1
40	1183	93.9	232	9 US-09-835-147-17	Sequence 17, Appl1
41	1183	93.9	232	9 US-09-871-856-8	Sequence 8, Appl1
42	1183	93.9	232	9 US-09-865-363-8	Sequence 8, Appl1
43	1183	93.9	232	9 US-09-871-291-8	Sequence 8, Appl1
44	1183	93.9	232	9 US-09-877-650-8	Sequence 8, Appl1
45	1183	93.9	232	14 US-10-008-063-28	Sequence 28, Appl1

ALIGNMENTS

RESULT 1					
US-09-847-208-3					
Sequence 3, Application US/09847208					
Publication No. US20030082190A1					
GENERAL INFORMATION:					
APPLICANT: Saxon, Andrew					
APPLICANT: Zhu, Daocheng					
TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF					
FILE REFERENCE: UC67.002A					
CURRENT APPLICATION NUMBER: US/09/847,208					
CURRENT FILING DATE: 2001-05-01					
NUMBER OF SEQ. ID NOS: 177					
SOFTWARE: PASCSEQ for Windows Version 4.0					
SEQ ID NO 3					
LENGTH: 232					
TYPE: PRT					
ORGANISM: Homo sapiens					
US-09-847-208-3					
Query Match					
Best Local Similarity 100.0%; Score 1260; DB 10; Length 232;					
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
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DB	1	EPKSCDKTHTCPPCPAPPELLGSPVFPFKPKDPTLMISRTPEYTCVVVDVSHEDPEVKF	60		
QY	61	NMYVDGEVHNVNVTKKPREEOYNSTYRVSVLTTLVHQMNMNGKEYCKCVSKALPAPIEKT	120		
DB	61	NMYVDGEVHNVNVTKKPREEOYNSTYRVSVLTTLVHQMNMNGKEYCKCVSKALPAPIEKT	120		
QY	121	ISRAKVPREPOVYTLTPPSRDELTKQVSLTCLVKGFPSPDIAVWESNQCPENNYKTTTP	180		
DB	121	ISRAKVPREPOVYTLTPPSRDELTKQVSLTCLVKGFPSPDIAVWESNQCPENNYKTTTP	180		

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Db      181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSPGK 232

RESULT 2
US-10-000-439-3
; Sequence 3, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: DC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-3

Query Match
Best Local Similarity 100.0%; Score 1260; DB 14; Length 232;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1      1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Qy      61      61 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQMNMNGKEYCKVSNKALPAPIEKT 120
Db      61      61 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQMNMNGKEYCKVSNKALPAPIEKT 120
Qy      121     121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
Db      121     121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
Qy      181     181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSPGK 232
Db      181     181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSPGK 232

RESULT 3
US-09-996-357-10
; Sequence 10, Application US/09996357
; Patent No. US20020133001A1
; GENERAL INFORMATION:
; APPLICANT: Getfer, Malcolm L
; APPLICANT: Isreal, David I
; APPLICANT: Joyal, John L
; APPLICANT: Gosselin, Michael
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR
; TITLE OF INVENTION: TREATING AN AMYLOIDOGENIC DISEASE
; FILE REFERENCE: PPI-105
; CURRENT APPLICATION NUMBER: US/09/996,357
; CURRENT FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: 60/253,302
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/250,198
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/257,186
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 232
; TYPE: PRT

; ORGANISM: Homo sapiens
US-09-996-357-10

Query Match
Best Local Similarity 97.2%; Score 1225; DB 9; Length 232;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy      1      1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db      1      1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Qy      61      61 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQMNMNGKEYCKVSNKALPAPIEKT 120
Db      61      61 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQMNMNGKEYCKVSNKALPAPIEKT 120
Qy      121     121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
Db      121     121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
Qy      181     181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSPGK 232
Db      181     181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSPGK 232

RESULT 5
US-10-617-619-7
; Sequence 7, Application US/10617619
; Publication No. US20040110929A1
; GENERAL INFORMATION:
; APPLICANT: Bjorn, Soren E
; APPLICANT: Nicolaisen, Else M
; APPLICANT: Jorgensen, Anker S
US-10-617-619-7

Query Match
Best Local Similarity 97.0%; Score 1225; DB 9; Length 232;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy      1      1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db      1      1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Qy      61      61 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQMNMNGKEYCKVSNKALPAPIEKT 120
Db      61      61 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQMNMNGKEYCKVSNKALPAPIEKT 120
Qy      121     121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
Db      121     121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
Qy      181     181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSPGK 232
Db      181     181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSPGK 232
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;; TITLE OF INVENTION: TF Binding Compound
;; FILE REFERENCE: 6455,200-US
;; CURRENT APPLICATION NUMBER: US/10/617, 619
;; CURRENT FILING DATE: 2003-07-11
;; PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099
;; PRIOR FILING DATE: 2002-07-12
;; PRIOR APPLICATION NUMBER: US 60/404,568
;; PRIOR FILING DATE: 2002-08-19
;; NUMBER OF SEQ ID NOS: 13
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 7
;; LENGTH: 232
;; TYPE: PRT
;; ORGANISM: Human
US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;
Best Local Similarity 97.0%; Pred. No. 5,3e-90;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVAVDVSHEDPEVKF 60
DB 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVAVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNVKTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNVKTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQYVTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180
DB 121 ISKAKQPREPQYVTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180
QY 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
DB 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

RESULT 6

US-10-761-593A-26
;; Sequence 26, Application US/10761593A
;; Publication No. US20040175824A1
;; GENERAL INFORMATION:
;; APPLICANT: Sun, Lee-Hwei K
;; APPLICANT: Sun, Bill N
;; APPLICANT: Sun, Cecily R
;; TITLE OF INVENTION: Fe fusion proteins of human erythropoietin with high biological
;; TITLE OF INVENTION: activities
;; FILE REFERENCE: 02SUN2001-A
;; CURRENT APPLICATION NUMBER: US/10/761,593A
;; CURRENT FILING DATE: 2004-01-21
;; PRIOR APPLICATION NUMBER: 09/932812
;; PRIOR FILING DATE: 2001-08-17
;; NUMBER OF SEQ ID NOS: 28
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 26
;; LENGTH: 232
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-761-593A-26

Query Match 97.2%; Score 1225; DB 16; Length 232;
Best Local Similarity 97.0%; Pred. No. 5,3e-90;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVAVDVSHEDPEVKF 60
DB 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVAVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNVKTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNVKTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQYVTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180

DB 121 ISKAKQPREPQYVTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180
QY 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
DB 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

RESULT 7

US-10-071-499A-15
;; Sequence 15, Application US/10071499A
;; Publication No. US20030104406A1
;; GENERAL INFORMATION:
;; APPLICANT: MOLEMAN, NEIL
;; APPLICANT: KHOR, SOO-PEANG
;; TITLE OF INVENTION: MODIFIED AND STABILIZED GDF PROPEPTIDES AND USES THEREOF
;; FILE REFERENCE: 08702-0100-00000
;; CURRENT APPLICATION NUMBER: US/10/071,499A
;; CURRENT FILING DATE: 2002-09-04
;; NUMBER OF SEQ ID NOS: 16
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 15
;; LENGTH: 232
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-071-499A-15

Query Match 96.7%; Score 1219; DB 14; Length 232;
Best Local Similarity 96.1%; Pred. No. 1,6e-89;
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVAVDVSHEDPEVKF 60
DB 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVAVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNVKTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNVKTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCKVSNKALPAPIEKT 120
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DB 121 ISKAKQPREPQYVTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180
QY 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
DB 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

RESULT 8

US-10-020-354-83
;; Sequence 83, Application US/10020354
;; Publication No. US20030109031A1
;; GENERAL INFORMATION:
;; APPLICANT: DALL'ACQUA, WILLIAM
;; APPLICANT: JOHNSON, LESLIE
;; APPLICANT: WARD, ELIZABETH SALLY
;; TITLE OF INVENTION: MOLECULES WITH EXTENDED HALF-LIVES, COMPOSITIONS AND USES THEREOF
;; FILE REFERENCE: 10271-027
;; CURRENT APPLICATION NUMBER: US/10/020,354
;; CURRENT FILING DATE: 2001-12-12
;; PRIOR APPLICATION NUMBER: 60/254,884
;; PRIOR FILING DATE: 2000-12-12
;; PRIOR APPLICATION NUMBER: 60/238,760
;; PRIOR FILING DATE: 2001-05-09
;; NUMBER OF SEQ ID NOS: 118
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 83
;; LENGTH: 232
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-020-354-83

Query Match 96.7%; Score 1219; DB 14; Length 232;

Best Local Similarity 96.1%; Pred. No. 1.6e-89;
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

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QY 1 EPKSCDKHTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
DB 121 ISKAKQPREPQVYTLPPSRDEWTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
QY 181 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSVMEHALHNHYTQKSLSLSPGK 232
DB 181 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSVMEHALHNHYTQKSLSLSPGK 232
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RESULT 9
US-10-466-593-2

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/ Sequence 2, Application US/10466593
/ Publication No. US20040043457A1
/ GENERAL INFORMATION:
/ APPLICANT: Schumacher, Silke
/ APPLICANT: Gillies, Stephen
/ TITLE OF INVENTION: BIFUNCTIONAL FUSION PROTEINS WITH
/ FILE REFERENCE: MER-108
/ CURRENT APPLICATION NUMBER: US/10/466,593
/ PRIOR FILING DATE: 2003-07-17
/ PRIOR APPLICATION NUMBER: PCT/EP01/15328
/ PRIOR FILING DATE: 2001-12-27
/ PRIOR APPLICATION NUMBER: EP 01101056.8
/ NUMBER OF SEQ ID NOS: 3
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2
/ LENGTH: 232
/ TYPE: PRT
/ ORGANISM: Homo Sapiens
US-10-466-593-2
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Query Match 96.7%; Score 1219; DB 15; Length 232;
Best Local Similarity 96.1%; Pred. No. 1.6e-89;
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

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QY 1 EPKSCDKHTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
DB 121 ISKAKQPREPQVYTLPPSRDEWTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
QY 181 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSVMEHALHNHYTQKSLSLSPGK 232
DB 181 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSVMEHALHNHYTQKSLSLSPGK 232
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RESULT 10
US-09-977-034-4

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/ Sequence 4, Application US/09977034
/ Patent No. US20020081664A1
/ GENERAL INFORMATION:
/ APPLICANT: Lo, Kin-Ming
/ APPLICANT: Sun, Yaping
/ APPLICANT: Gillies, Stephen D.
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TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as
FILE REFERENCE: LEX-009
CURRENT APPLICATION NUMBER: US/09/977, 034
PRIOR FILING DATE: 2001-10-11
PRIOR APPLICATION NUMBER: US/09/575, 503
PRIOR FILING DATE: 2000-05-19
PRIOR APPLICATION NUMBER: US 60/134, 895
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 232
TYPE: PRT
ORGANISM: Homo sapiens
US-09-977-034-4

Query Match 96.0%; Score 1209; DB 9; Length 232;
Best Local Similarity 95.7%; Pred. No. 1e-88;
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

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DB 1 EPKSCDKHTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
DB 121 ISKAKQPREPQVYTLPPSRDEWTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTT 180
QY 181 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSVMEHALHNHYTQKSLSLSPGK 232
DB 181 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSVMEHALHNHYTQKSLSLSPGK 232
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RESULT 11
US-10-292-418-2

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/ Sequence 2, Application US/10292418
/ Publication No. US20030139365A1
/ GENERAL INFORMATION:
/ APPLICANT: Li, Yue
/ APPLICANT: Gillies, Stephen D
/ TITLE OF INVENTION: Expression and Export of Angiogenesis Inhibitors as
/ FILE REFERENCE: LEX-006C1
/ CURRENT APPLICATION NUMBER: US/10/292, 418
/ PRIOR FILING DATE: 2002-11-12
/ PRIOR APPLICATION NUMBER: 09/383, 315
/ PRIOR FILING DATE: 1999-08-25
/ PRIOR APPLICATION NUMBER: US 60/097, 883
/ NUMBER OF SEQ ID NOS: 54
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 232
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-292-418-2
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Query Match 96.0%; Score 1209; DB 14; Length 232;
Best Local Similarity 95.7%; Pred. No. 1e-88;
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

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QY 1 EPKSCDKHTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKT 120
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Db 61 NMVVDGVEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120
Qy 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWESNCGPENNYKTTT 180
Db 121 ISKAKGPREPOVYTLPPSRDEMTKNQVSLTCLVKGFPSPDIWESNCGPENNYKTTT 180
Qy 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQKSLSPGK 232
Db 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQKSLSPGK 232

RESULT 12

US-10-419-058-6
; Sequence 6, Application US/10419058
; Publication No. US20040053366A1
; GENERAL INFORMATION:
; APPLICANT: Lo, Kin-Ming
; APPLICANT: Zhang, Jinyang
; APPLICANT: Gillies, Stephen D.
; TITLE OF INVENTION: Expression and Export of Anti-Obesity Proteins as Fc
; FILE REFERENCE: LEX-008
; CURRENT APPLICATION NUMBER: US/10/419,058
; CURRENT FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: US/09/479,508
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US 60/115,079
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 6
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-419-058-6

Query Match 96.0%; Score 1209; DB 15; Length 232;
Best Local Similarity 95.7%; Pred. No. 1e-88; Indels 0; Gaps 0;
Matches 222; Conservative 5; Mismatches 5;

Qy 1 EPKSDKTHTCPCPCAPPELLGSPVFLPPPKPDTLMISRTPEVTCVVDVSHDEPVKF 60
Db 1 EPKSDKTHTCPCPCAPPELLGSPVFLPPPKPDTLMISRTPEVTCVVDVSHDEPVKF 60
Qy 61 NMVVDGVEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120
Db 61 NMVVDGVEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120
Qy 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWESNCGPENNYKTTT 180
Db 121 ISKAKGPREPOVYTLPPSRDEMTKNQVSLTCLVKGFPSPDIWESNCGPENNYKTTT 180
Qy 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQKSLSPGK 232
Db 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQKSLSPGK 232

RESULT 13

US-10-953-259-4
; Sequence 4, Application US/10953259
; Publication No. US20050042729A1
; GENERAL INFORMATION:
; APPLICANT: Lo, Kin-Ming
; APPLICANT: Sun, Yaping
; APPLICANT: Gillies, Stephen D.
; TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as
; FILE REFERENCE: LEX-009DVC1
; CURRENT APPLICATION NUMBER: US/10/953,259
; CURRENT FILING DATE: 2004-09-29
; PRIOR APPLICATION NUMBER: US 09/977,034
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: US 09/575,503

; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/134,895
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 4
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-953-259-4

Query Match 96.0%; Score 1209; DB 17; Length 232;
Best Local Similarity 95.7%; Pred. No. 1e-88; Indels 0; Gaps 0;
Matches 222; Conservative 5; Mismatches 5;

Qy 1 EPKSDKTHTCPCPCAPPELLGSPVFLPPPKPDTLMISRTPEVTCVVDVSHDEPVKF 60
Db 1 EPKSDKTHTCPCPCAPPELLGSPVFLPPPKPDTLMISRTPEVTCVVDVSHDEPVKF 60
Qy 61 NMVVDGVEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120
Db 61 NMVVDGVEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120
Qy 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWESNCGPENNYKTTT 180
Db 121 ISKAKGPREPOVYTLPPSRDEMTKNQVSLTCLVKGFPSPDIWESNCGPENNYKTTT 180
Qy 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQKSLSPGK 232
Db 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQKSLSPGK 232

RESULT 14

US-10-313-135-4
; Sequence 4, Application US/10313135
; Publication No. US20030109003A1
; GENERAL INFORMATION:
; APPLICANT: Mosley, Bruce
; APPLICANT: Cosman, David J.
; TITLE OF INVENTION: Receptor for Oncostatin M
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple 7.1
; SOFTWARE: Microsoft Word, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/313,135
; FILING DATE: 06-Dec-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/058,264
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US/08/308,881
; FILING DATE: 12-SEP-1994
; APPLICATION NUMBER: US 08/249,553
; FILING DATE: 26-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2614-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0640
; TELEFAX: (206) 233-0644
; TELEX: 756822
; INFORMATION FOR SEQ ID NO: 4:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-313-135-4

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Search completed: March 14, 2005, 11:00:28
Job time : 137 secs

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Query Match          95.3%; Score 1201; DB 14; Length 232;
Best Local Similarity 94.4%; Pred. No. 4,4e-88;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

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DB 1 EPRKCDTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNATKREEDQNSTYRVSVLTLHQMNGKCYKCKVSNKALPAPIEK 120
DB 61 NMVYDGEVHNATKREEDQNSTYRVSVLTLHQMNGKCYKCKVSNKALPAPIEK 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEESNGQPENNYK 180
DB 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEESNGQPENNYK 180
QY 181 PVLDSGSEFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 232
DB 181 PVLDSGSEFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 232

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RESULT 15
US-10-879-994-8
; Sequence 8, Application US/10879994
; Publication No. US20050032175A1
; GENERAL INFORMATION:
; APPLICANT: Strahl, Neil
; APPLICANT: Yancopoulos, George D.
; APPLICANT: Karow, Margaret
; APPLICANT: Smith, Eric
; TITLE OF INVENTION: HIGH AFFINITY FUSION PROTEINS AND THERAPEUTIC AND DIAGNOSTIC METH
; FILE REFERENCE: REG 203E2
; CURRENT APPLICATION NUMBER: US/10/879, 994
; PRIOR FILING DATE: 2004-06-29
; PRIOR APPLICATION NUMBER: 10/610,452
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 229
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-879-994-8

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Query Match          94.9%; Score 1196; DB 17; Length 229;
Best Local Similarity 96.5%; Pred. No. 1,1e-87;
Matches 221; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
QY 4 SCQKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 63
DB 1 SGGKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 64 VDGVEVHNATKREEDQNSTYRVSVLTLHQMNGKCYKCKVSNKALPAPIEK 123
DB 61 VDGVEVHNATKREEDQNSTYRVSVLTLHQMNGKCYKCKVSNKALPAPIEK 120
QY 124 AKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEESNGQPENNYK 183
DB 121 AKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEESNGQPENNYK 180
QY 184 DSVGSSEFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 232
DB 181 DSDGSSEFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 229

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 14, 2005, 10:48:29 ; Search time 42 Seconds
(without alignments)
412.347 Million cell updates/sec

Title: US-09-847-208b-3

Perfect score: 1260
Sequence: 1 EPKSCDKHTPCPCPAPELL.....MHEALNHYQRELSPGK 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 406306

Minimum DB seq length: 0
Maximum DB seq length: 232

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/prodata/1/1aa/5A COMB pep.*
2: /cgn2_6/prodata/1/1aa/5B COMB pep.*
3: /cgn2_6/prodata/1/1aa/6A COMB pep.*
4: /cgn2_6/prodata/1/1aa/6B COMB pep.*
5: /cgn2_6/prodata/1/1aa/PCTUS COMB pep.*
6: /cgn2_6/prodata/1/1aa/backfile1 pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1225	97.2	232	2 US-08-595-043A-50	Sequence 50, Appl
2	1225	97.2	232	4 US-09-968-362A-26	Sequence 26, Appl
3	1201	95.3	232	1 US-07-797-556-4	Sequence 4, Appl
4	1201	95.3	232	1 US-08-225-989-4	Sequence 4, Appl
5	1201	95.3	232	1 US-08-570-923-4	Sequence 4, Appl
6	1201	95.3	232	1 US-08-580-014-4	Sequence 4, Appl
7	1201	95.3	232	1 US-08-308-881-4	Sequence 4, Appl
8	1201	95.3	232	2 US-09-058-263-4	Sequence 4, Appl
9	1201	95.3	232	2 US-09-059-099-4	Sequence 4, Appl
10	1201	95.3	232	3 US-09-058-264-4	Sequence 4, Appl
11	1201	95.3	232	3 US-09-079-785-4	Sequence 4, Appl
12	1201	95.3	232	4 US-09-455-962-4	Sequence 4, Appl
13	1201	95.3	232	4 US-09-628-126-4	Sequence 4, Appl
14	1201	95.3	232	5 PCT-US95-06530-4	Sequence 4, Appl
15	1201	95.3	232	5 PCT-US95-15781-8	Sequence 8, Appl
16	1195	94.8	228	4 US-09-428-082B-2	Sequence 2, Appl
17	1195	94.8	228	4 US-09-847-249A-2	Sequence 2, Appl
18	1195	94.8	228	4 US-09-840-669B-2	Sequence 2, Appl
19	1195	94.8	228	4 US-09-843-221A-2	Sequence 2, Appl
20	1195	94.8	228	4 US-09-709-704A-2	Sequence 2, Appl
21	1195	94.8	228	4 US-09-422-838C-5	Sequence 5, Appl
22	1195	94.8	229	4 US-09-122-144-2	Sequence 2, Appl
23	1183	93.9	232	3 US-08-996-139-8	Sequence 8, Appl
24	1183	93.9	232	3 US-08-995-659-8	Sequence 8, Appl
25	1183	93.9	232	3 US-09-215-649A-8	Sequence 8, Appl
26	1183	93.9	232	4 US-09-577-780-8	Sequence 8, Appl
27	1183	93.9	232	4 US-09-577-800-8	Sequence 8, Appl

28	1183	93.9	232	4 US-09-466-496-8	Sequence 8, Appl
29	1183	93.9	232	4 US-09-871-856-8	Sequence 8, Appl
30	1183	93.9	232	4 US-09-871-291-8	Sequence 8, Appl
31	1183	93.9	232	4 US-09-877-650-8	Sequence 8, Appl
32	1183	93.9	232	4 US-09-865-363-8	Sequence 8, Appl
33	1183	93.9	232	4 US-09-688-459-8	Sequence 8, Appl
34	1134	90.0	218	4 US-09-483-588-3	Sequence 4, Appl
35	1128	89.5	218	4 US-09-483-588-3	Sequence 4, Appl
36	1124	89.2	212	1 US-08-430-633-4	Sequence 4, Appl
37	1124	89.2	212	2 US-08-620-694A-4	Sequence 4, Appl
38	1124	89.2	212	2 US-08-936-854-4	Sequence 4, Appl
39	1124	89.2	212	3 US-09-022-255-4	Sequence 4, Appl
40	1124	89.2	212	3 US-09-022-696-4	Sequence 4, Appl
41	1124	89.2	212	3 US-09-022-253-4	Sequence 4, Appl
42	1124	89.2	212	3 US-09-022-260-4	Sequence 4, Appl
43	1124	89.2	212	3 US-09-022-259-4	Sequence 4, Appl
44	1124	89.2	212	3 US-09-022-257-4	Sequence 4, Appl
45	1124	89.2	212	4 US-09-549-679-4	Sequence 4, Appl

ALIGNMENTS

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RESULT 1
US-08-595-043A-50
; Sequence 50, Application US/08595043A
; Patent No. 5935824
; GENERAL INFORMATION:
; APPLICANT: SCARLATO, GREGORY D
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/595,043A
; FILING DATE: 31-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: SGAR-00371
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-595-043A-50

Query Match          97.2%: Score 1225; DB 2; Length 232;
Best Local Similarity 97.0%: Pred. No. 3.6e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
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QY 1 EPKSCDKHTPCPCPAPELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTPCPCPAPELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMYVDGVEVHNVKTKRREDOYNSYTRVSVLTVLHQNWMNGKIKCKVSKALPAPIEKT 120
DB 61 NMYVDGVEVHNVKTKRREDOYNSYTRVSVLTVLHQNWMNGKIKCKVSKALPAPIEKT 120

Qy 121 ISKAVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWVESNQPENNYKTP 180
Db 121 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWVESNQPENNYKTP 180
Qy 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232
Db 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232

RESULT 2

US-09-968-362A-26
Sequence 26, Application US/09968362A
Patent No. 6797493
GENERAL INFORMATION:
APPLICANT: Sun, Lee-Hwei K
APPLICANT: Sun, Bill
APPLICANT: Sun, Cecily R
TITLE OF INVENTION: Fc fusion proteins of human granulocyte colony-stimulating factor
FILE REFERENCE: Increased biological activities
CURRENT APPLICATION NUMBER: US/09/968,362A
CURRENT FILING DATE: 2001-10-01
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Patentin version 3.1
SEQ ID NO 26
LENGTH: 232
TYPE: PRT
ORGANISM: Human IgG1 Fc with native hinge, CH2 and CH3 domains
US-09-968-362A-26

Query Match 97.2%; Score 1225; DB 4; Length 232;
Best Local Similarity 97.0%; Pred. No. 3,66-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTHCPCPAPPELLGSPVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKHTHCPCPAPPELLGSPVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60
Qy 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQWMMNGKEKKCKVSNKALPAPIEKT 120
Db 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQWMMNGKEKKCKVSNKALPAPIEKT 120
Qy 121 ISKAVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWVESNQPENNYKTP 180
Db 121 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWVESNQPENNYKTP 180
Qy 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232
Db 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232

RESULT 3

US-07-797-556-4
Sequence 4, Application US/07797556
Patent No. 5262522
GENERAL INFORMATION:
APPLICANT: Geating, David P.
TITLE OF INVENTION: Receptor for Oncostatin M and Leukemia
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2607
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0430
TELEFAX: 206-587-0606
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-797-556-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
Best Local Similarity 94.4%; Pred. No. 9,9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTHCPCPAPPELLGSPVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKHTHCPCPAPPELLGSPVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60
Qy 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQWMMNGKEKKCKVSNKALPAPIEKT 120
Db 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQWMMNGKEKKCKVSNKALPAPIEKT 120
Qy 121 ISKAVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWVESNQPENNYKTP 180
Db 121 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWVESNQPENNYKTP 180
Qy 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232
Db 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232

RESULT 4

US-08-225-989-4
Sequence 4, Application US/08225989
Patent No. 5480981
GENERAL INFORMATION:
APPLICANT: Goodwin, Raymond G.
APPLICANT: Smith, Craig A.
APPLICANT: Amilage, Richard J.
APPLICANT: Gruss, Hans-Jurgen
TITLE OF INVENTION: No. 5480981el Cytokine That Binds CD30
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kathryn A. Seese, Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/225,989
FILING DATE: 12 APRIL 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/966,775
FILING DATE: 27-OCT-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 907,224

FILING DATE: 01-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 899,660
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 892,459
FILING DATE: 02-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 889,717
FILING DATE: 26-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2804-E
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
TELEX: 756822
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-225-989-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPRSCDHTHTCPPEPABELLGGPSVFLPPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDHTHTCPPEPABELLGGPSVFLPPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNKTKPREEOYNSTYRVSVLTIVLHQMNMNGKEYCKKVSNAKALPAPIEKT 120
DB 61 NMVYDGEVHNKTKPREEOYNSTYRVSVLTIVLHQMNMNGKEYCKKVSNAKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180
DB 121 ISKAKGPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180
QY 181 PVLDSGVSFLYSLKLTVDKSRWQGNVFCSCVMHEALHNHYQKSLSLSPK 232
DB 181 PVLDSGVSFLYSLKLTVDKSRWQGNVFCSCVMHEALHNHYQKSLSLSPK 232

RESULT 5
US-08-570-923-4
Sequence 4, Application US/08570923
Patent No. 5677430
GENERAL INFORMATION:
APPLICANT: Goodwin, Raymond G.
APPLICANT: Smith, Craig A.
APPLICANT: Armitage, Richard J.
APPLICANT: Gruss, Hans-Jurgen
TITLE OF INVENTION: No. 5677430el Cytokine That Binds CD30
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Kathryn A. Seese, Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/570,923
FILING DATE: 12-DEC-1995

CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/225,989
FILING DATE: 12 APRIL 1994
APPLICATION NUMBER: US 07/966,775
FILING DATE: 27-OCT-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 907,224
FILING DATE: 01-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 899,660
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 892,459
FILING DATE: 02-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 889,717
FILING DATE: 26-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2804-E
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
TELEX: 756822
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-570-923-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPRSCDHTHTCPPEPABELLGGPSVFLPPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDHTHTCPPEPABELLGGPSVFLPPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNKTKPREEOYNSTYRVSVLTIVLHQMNMNGKEYCKKVSNAKALPAPIEKT 120
DB 61 NMVYDGEVHNKTKPREEOYNSTYRVSVLTIVLHQMNMNGKEYCKKVSNAKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180
DB 121 ISKAKGPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180
QY 181 PVLDSGVSFLYSLKLTVDKSRWQGNVFCSCVMHEALHNHYQKSLSLSPK 232
DB 181 PVLDSGVSFLYSLKLTVDKSRWQGNVFCSCVMHEALHNHYQKSLSLSPK 232

RESULT 6
US-08-580-014-4
Sequence 4, Application US/08580014
Patent No. 5753203
GENERAL INFORMATION:
APPLICANT: Goodwin, Raymond G.
APPLICANT: Smith, Craig A.
APPLICANT: Armitage, Richard J.
APPLICANT: Gruss, Hans-Jurgen
TITLE OF INVENTION: No. 5753203el Cytokine That Binds CD30
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Kathryn A. Seese, Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: USA

```
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/580,014
FILING DATE: 20-DEC-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/225,989
FILING DATE: 12 APRIL 1994
APPLICATION NUMBER: US 07/966,775
FILING DATE: 27-OCT-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 907,224
FILING DATE: 01-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 899,660
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 892,459
FILING DATE: 02-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 889,717
FILING DATE: 26-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2804-E
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
TELEX: 756822
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-580-014-4

Query Match          95.3%; Score 1201; DB 1; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKTHHTCPCPAPPELLGGPSVFLPPLPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDKHTHTCPCPAPPELLGGPSVFLPPLPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NMYVDGVEVHNHAKTKPREEOYNSTYRVSVLTIVLHOMWANGKEYKCKVSNKALPAPIEKT 120
DB 61 NMYVDGVEVHNHAKTKPREEOYNSTYRVSVLTIVLHOMWANGKEYKCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTP 180
DB 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTP 180
QY 181 PVLDSVGSFFLYSKLTITDKSRWQGNVFCSCVNHREALHNHYOQRSLSLSPGK 232
DB 181 PVLDSVGSFFLYSKLTITDKSRWQGNVFCSCVNHREALHNHYOQRSLSLSPGK 232

RESULT 7
US-08-308-881-4
Sequence 4, Application US/08308881
Patent No. 5783672
GENERAL INFORMATION:
APPLICANT: Mosley, Bruce
APPLICANT: Cosman, David J.
TITLE OF INVENTION: Receptor for Oncostatin M
```

```
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/308,881
FILING DATE: 12-SEP-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/249,553
FILING DATE: 26-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2614-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
TELEX: 756822
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-308-881-4

Query Match          95.3%; Score 1201; DB 1; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKTHHTCPCPAPPELLGGPSVFLPPLPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDKHTHTCPCPAPPELLGGPSVFLPPLPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NMYVDGVEVHNHAKTKPREEOYNSTYRVSVLTIVLHOMWANGKEYKCKVSNKALPAPIEKT 120
DB 61 NMYVDGVEVHNHAKTKPREEOYNSTYRVSVLTIVLHOMWANGKEYKCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTP 180
DB 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTP 180
QY 181 PVLDSVGSFFLYSKLTITDKSRWQGNVFCSCVNHREALHNHYOQRSLSLSPGK 232
DB 181 PVLDSVGSFFLYSKLTITDKSRWQGNVFCSCVNHREALHNHYOQRSLSLSPGK 232

RESULT 8
US-09-058-263-4
Sequence 4, Application US/09058263
Patent No. 5891997
GENERAL INFORMATION:
APPLICANT: Mosley, Bruce
APPLICANT: Cosman, David J.
TITLE OF INVENTION: Receptor for Oncostatin M
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/058,263
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/308,881
FILING DATE: 12-SEP-1994
APPLICATION NUMBER: US 08/249,553
FILING DATE: 26-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2614-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
TELEX: 756822
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-058-263-4

Query Match 95.3%; Score 1201; DB 2; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;

Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTTCPCPAPBELIGSPSVLFPPPKKDTLMISTRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDKHTTCPCPAPBELIGSPSVLFPPPKKDTLMISTRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVNAVTKPREEOYNSTYRVSVLTIVLHQMNGKCYKCVSNKALPAPIEKT 120
DB 61 NWYVDGVEVNAVTKPREEOYNSTYRVSVLTIVLHQMNGKCYKCVSNKALPAPIEKT 120
QY 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTT 180
DB 121 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTT 180
QY 181 PVIDSGSFPLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
DB 181 PVIDSGSFPLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

RESULT 9
US-09-059-099-4
Sequence 4, Application US/09059099
Patent No. 5925740
GENERAL INFORMATION:
APPLICANT: Mosley, Bruce
APPLICANT: Coeman, David J.
TITLE OF INVENTION: Receptor for Oncostatin M
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/059,099
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/308,881
FILING DATE: 12-SEP-1994
APPLICATION NUMBER: US 08/249,553
FILING DATE: 26-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2614-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
TELEX: 756822
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-059-099-4

Query Match 95.3%; Score 1201; DB 2; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;

Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTTCPCPAPBELIGSPSVLFPPPKKDTLMISTRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDKHTTCPCPAPBELIGSPSVLFPPPKKDTLMISTRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVNAVTKPREEOYNSTYRVSVLTIVLHQMNGKCYKCVSNKALPAPIEKT 120
DB 61 NWYVDGVEVNAVTKPREEOYNSTYRVSVLTIVLHQMNGKCYKCVSNKALPAPIEKT 120
QY 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTT 180
DB 121 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTT 180
QY 181 PVIDSGSFPLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
DB 181 PVIDSGSFPLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

RESULT 10
US-09-058-264-4
Sequence 4, Application US/09058264
Patent No. 6010886
GENERAL INFORMATION:
APPLICANT: Mosley, Bruce
APPLICANT: Coeman, David J.
TITLE OF INVENTION: Receptor for Oncostatin M
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/058,264
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/308,881
FILING DATE: 12-SEP-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/058,264
FILING DATE: 26-MAY-1994
APPLICATION NUMBER: US 08/249,553
FILING DATE: 26-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2614-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-455-962-4

Query Match 95.3%; Score 1201; DB 4; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGEVHNAVTKPREEQYNSTYRVSVLTVLHQMNMNGKEYCKCVSKALPAPIEKT 120
DB 61 NWYVDGEVHNAVTKPREEQYNSTYRVSVLTVLHQMNMNGKEYCKCVSKALPAPIEKT 120
QY 121 ISKAKQPRPPQYVTLPPSRDELTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180
DB 121 ISKAKQPRPPQYVTLPPSRDELTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180
QY 121 ISKAKQPRPPQYVTLPPSRDELTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180
DB 121 ISKAKQPRPPQYVTLPPSRDELTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180
QY 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYTKSLSPGK 232
DB 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYTKSLSPGK 232

RESULT 13
US-09-628-126-4
Sequence 4, Application US/09628126
Patent No. 6667039
GENERAL INFORMATION:
APPLICANT: Goodwin, Raymond G.
APPLICANT: Smith, Craig A.
APPLICANT: Armbrage, Richard J.
APPLICANT: Grues, Hans-Jurgen
TITLE OF INVENTION: No. 6667039el Cytokine That Binds CD30
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Kathryn A. Seese, Immunex Corporation
STREET: 51 University Street
City: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/628,126
FILING DATE: 28-JULY-2000
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/570,923
FILING DATE: 12-DEC-1995
APPLICATION NUMBER: US/08/225,989

FILING DATE: 12 APRIL 1994
APPLICATION NUMBER: US 07/966,775
FILING DATE: 27-OCT-1992
APPLICATION NUMBER: US 907,224
FILING DATE: 01-JUL-1992
APPLICATION NUMBER: US 899,660
FILING DATE: 15-JUN-1992
APPLICATION NUMBER: US 892,459
FILING DATE: 02-JUN-1992
APPLICATION NUMBER: US 889,717
FILING DATE: 26-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2804-E
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-628-126-4

Query Match 95.3%; Score 1201; DB 4; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGEVHNAVTKPREEQYNSTYRVSVLTVLHQMNMNGKEYCKCVSKALPAPIEKT 120
DB 61 NWYVDGEVHNAVTKPREEQYNSTYRVSVLTVLHQMNMNGKEYCKCVSKALPAPIEKT 120
QY 121 ISKAKQPRPPQYVTLPPSRDELTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180
DB 121 ISKAKQPRPPQYVTLPPSRDELTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180
QY 121 ISKAKQPRPPQYVTLPPSRDELTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180
DB 121 ISKAKQPRPPQYVTLPPSRDELTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180
QY 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYTKSLSPGK 232
DB 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYTKSLSPGK 232

RESULT 14
PCT-US95-06530-4
Sequence 4, Application PC/TUS9506530
GENERAL INFORMATION:
APPLICANT: Mosley, Bruce
APPLICANT: Cosman, David J.
TITLE OF INVENTION: Receptor for Oncostatin M
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
City: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/06530
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/308,881
FILING DATE: 09-SEP-1994
APPLICATION NUMBER: US 08/249,553
FILING DATE: 26-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Anderson, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2614-WO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
TELEX: 756822
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-06530-4

Query Match 95.3%; Score 1201; DB 5; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPPELLGGPSVFLFPPPKRDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTCPCPAPPELLGGPSVFLFPPPKRDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVVDGVEVHNAVKTREBOYNSTYRVSVLTVLHQDMNKGKDYCKSNRALPAPMOKT 120
DB 61 NMVVDGVEVHNAVKTREBOYNSTYRVSVLTVLHQDMNKGKDYCKSNRALPAPMOKT 120
QY 121 ISKAKVQPREPOVYTLPSRDELITGNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
DB 121 ISKAKVQPREPOVYTLPSRDELITGNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNNHYQKSLSPGK 232
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNNHYQKSLSPGK 232

RESULT 15

PCT-US95-15781-8
Sequence 8, Application PC/TUS9515781
GENERAL INFORMATION:
APPLICANT: Carrett, Douglas P.
TITLE OF INVENTION: Cytokine Designated Ierx-7
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/15781
FILING DATE: 05-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/351,025
FILING DATE: 06-DEC-1994
CLASSIFICATION:
APPLICATION NUMBER: US 08/396,946
FILING DATE: 01-MAR-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Anderson, Kathryn A.

REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2829-WO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-15781-8

Query Match 95.3%; Score 1201; DB 5; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

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DB 1 EPKSCDKHTCPCPAPPELLGGPSVFLFPPPKRDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVVDGVEVHNAVKTREBOYNSTYRVSVLTVLHQDMNKGKDYCKSNRALPAPMOKT 120
DB 61 NMVVDGVEVHNAVKTREBOYNSTYRVSVLTVLHQDMNKGKDYCKSNRALPAPMOKT 120
QY 121 ISKAKVQPREPOVYTLPSRDELITGNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
DB 121 ISKAKVQPREPOVYTLPSRDELITGNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNNHYQKSLSPGK 232
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNNHYQKSLSPGK 232

Search completed: March 14, 2005, 10:49:21
Job time : 44 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd

OM protein - protein search, using sw model

Run on: March 14, 2005, 10:58:09 ; Search time 137 Seconds
(without alignments)
770.441 Million cell updates/sec

Title: US-09-847-208B-6
Perfect score: 1707
Sequence: 1 FTPPTVKILQSSCDGGGHP.....HEAASPSQTVQRAVSVPK 320

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1396920 beqs, 329844058 residues

Total number of hits satisfying chosen parameters: 1025334

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Minimum DB seq length: 0
Maximum DB seq length: 320
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Post-processing: Minimum Match 0%

Database

Result	Query	Score	Match	Length	DB	ID	Description
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	10						/cgn2_6/ptodata/2/pubppaa/US09B_PUBCOMB.pdp.*
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	15						/cgn2_6/ptodata/2/pubppaa/US10C_PUBCOMB.pdp.*
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	18						/cgn2_6/ptodata/2/pubppaa/US11_NEW_PUB.pdp.*
	19						/cgn2_6/ptodata/2/pubppaa/US06_NEW_PUB.pdp.*
	20						/cgn2_6/ptodata/2/pubppaa/US06_PUBCOMB.pdp.*

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1.707	100.0	320	10	US-09-847-208-6	Sequence 6, Appl1
2	1.707	100.0	320	14	US-10-000-439-6	Sequence 6, Appl1
3	1.171	68.6	220	16	US-10-704-406-3	Sequence 3, Appl1
4	1.158	67.8	222	9	US-09-809-746-2	Sequence 2, Appl1
5	1.158	67.8	222	10	US-09-809-715-6	Sequence 6, Appl1
6	1.158	67.8	222	16	US-10-704-406-2	Sequence 2, Appl1
7	1.011.5	59.3	236	14	US-10-152-190-9	Sequence 9, Appl1
8	602	35.3	115	14	US-10-152-190-4	Sequence 4, Appl1
9	581	34.0	109	14	US-10-214-524-41	Sequence 41, Appl1
10	570	33.4	107	14	US-10-214-524-42	Sequence 42, Appl1
11	566.5	33.2	109	9	US-09-802-077-1	Sequence 1, Appl1
12	566.5	33.2	109	9	US-09-802-096-1	Sequence 1, Appl1
13	566.5	33.2	109	10	US-09-925-179-1	Sequence 1, Appl1

14	554	32.5	129	14	US-10-152-190-8	Sequence 6, Appl1
15	551	32.3	108	14	US-10-152-190-6	Sequence 8, Appl1
16	526	30.8	128	14	US-10-152-190-7	Sequence 7, Appl1
17	523	30.6	115	14	US-10-152-190-3	Sequence 3, Appl1
18	513.5	30.1	117	14	US-10-152-190-2	Sequence 2, Appl1
19	416.5	24.4	310	9	US-09-797-481-8	Sequence 8, Appl1
20	415	24.3	320	16	US-10-684-109-75	Sequence 75, Appl1
21	392	22.0	234	14	US-10-392-418-33	Sequence 33, Appl1
22	384	22.5	71	14	US-10-314-524-43	Sequence 43, Appl1
23	373.5	21.9	114	14	US-10-152-190-1	Sequence 1, Appl1
24	362	21.2	251	14	US-10-152-363-31	Sequence 31, Appl1
25	362	21.2	251	14	US-10-152-363-33	Sequence 33, Appl1
26	360	21.1	232	14	US-10-008-063-28	Sequence 28, Appl1
27	360	21.1	232	14	US-10-008-063-32	Sequence 32, Appl1
28	358.5	21.0	293	14	US-10-145-206-124	Sequence 124, Appl1
29	358	21.0	251	14	US-10-152-363-29	Sequence 29, Appl1
30	358	21.0	251	14	US-10-152-363-39	Sequence 39, Appl1
31	357	20.9	250	14	US-10-152-363-35	Sequence 35, Appl1
32	357	20.9	252	14	US-10-145-206-128	Sequence 118, Appl1
33	356.5	20.9	293	14	US-10-145-206-113	Sequence 123, Appl1
34	356	20.9	228	15	US-10-466-593-3	Sequence 3, Appl1
35	356	20.9	228	16	US-10-761-593A-27	Sequence 27, Appl1
36	356	20.9	235	9	US-09-784-623-6	Sequence 6, Appl1
37	356	20.9	247	15	US-10-609-217-12	Sequence 12, Appl1
38	356	20.9	247	15	US-10-632-388-12	Sequence 12, Appl1
39	356	20.9	247	15	US-10-651-723-12	Sequence 12, Appl1
40	356	20.9	247	15	US-10-645-161-12	Sequence 12, Appl1
41	356	20.9	247	15	US-10-666-696-12	Sequence 12, Appl1
42	356	20.9	247	15	US-10-653-048-12	Sequence 12, Appl1
43	356	20.9	269	15	US-10-609-217-10	Sequence 10, Appl1
44	356	20.9	269	15	US-10-632-388-10	Sequence 10, Appl1
45	356	20.9	269	15	US-10-651-123-10	Sequence 10, Appl1

ALIGNMENTS

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RESULT 1
US-09-847-208-6
; Sequence 6, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLELGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847.208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: Fastseq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-6

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QY	61	GELASTQSELTLSQKHWLSDRITTCQVYYQGHTEDETSKKCADSNPRGVSAVLSRPSFD	120						
Db	61	GELASTQSELTLSQKHWLSDRITTCQVYYQGHTEDETSKKCADSNPRGVSAVLSRPSFD	120						
QY	121	LFIRKSPITTCVAVVDLAPSKGTNVLMTSRASGKPVNSTRKEEKKORNGTLLVYTSLLPVG	180						
Db	121	LFIRKSPITTCVAVVDLAPSKGTNVLMTSRASGKPVNSTRKEEKKORNGTLLVYTSLLPVG	180						

Qy	18	RDMEGGTTCRTHHLLPALMRSTTKTSGPRAAEVYAFATBEPSSRDRTLACIQ	240
Dp	181	RDMEGGTTCRTHHLLPALMRSTTKTSGPRAAEVYAFATBEPSSRDRTLACIQ	240
Qy	241	NFMPEDISVQMLNEVOLDARHSTTOPRKTGSGFVFESRLEVTBAMEQKDEFCIRAV	300
Dp	241	NFMPEDISVQMLNEVOLDARHSTTOPRKTGSGFVFESRLEVTBAMEQKDEFCIRAV	300
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Dp	301	HEAASPQTVQRAVSVNPGK	320

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RESULT 2
US-10-000-439-6
; Sequence 6, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000.439
; PRIOR APPLICATION NUMBER: 2001-10-24
; PRIOR FILING DATE: 2001-05-01
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-6

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Query Match	100.0%	Score 1707;	DB 14;	Length 320;
Best Local Similarity	100.0%	Pred. No. 1.8e-127;		
Matches 320;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

[illegible]

RESULT 3
US-10-704-406-3
Sequence 3, Application US/10704406
Publication No. US2004013356A1
GENERAL INFORMATION:
APPLICANT: Jardenitzky, Theodore S.
APPLICANT: Wurzburg, Beth A.
TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGE ANTIBODY AND TITLE OF INVENTION: USES THEREOF

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/ FILE REFERENCE: AL-9-C2
/ CURRENT APPLICATION NUMBER: US/10/704,406
/ CURRENT FILING DATE: 2003-11-07
/ PRIOR APPLICATION NUMBER: 09/809,746
/ PRIOR FILING DATE: 2003-06-12
/ PRIOR APPLICATION NUMBER: 60/234,877
/ PRIOR FILING DATE: 2000-09-22
/ PRIOR APPLICATION NUMBER: 60/189,403
/ PRIOR FILING DATE: 2000-03-15
/ NUMBER OF SEQ ID NOS: 7
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO: 3
/ LENGTH: 220
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-704-406-3

Query Match          68.6%; Score 1171; DB 16; Length 220;
Best Local Similarity 100.0%; Pred No 4,5e-85;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	CADSNPGVSAVLSRSPEDLFIRKSPITTCVVDVADPASKGVNLWTSRPSGKRVNSTR	60						
QY	161	KEEKQNGTLVTSTLPVGTBWMIGETLYQCRVTHPHLPRALMSTTKTSGPRAAPEVYA	220						
Db	61	KEEKQNGTLVTSTLPVGTBWMIGETLYQCRVTHPHLPRALMSTTKTSGPRAAPEVYA	120						
QY	221	FATPEWPGSRDKRTIACLIONFMPEDISVQWLNHEVOLPLRHSHTTOPRRTKSGGFVRS	280						
Db	121	FATPEWPGSRDKRTIACLIONFMPEDISVQWLNHEVOLPLRHSHTTOPRRTKSGGFVRS	180						
QY	281	RLEVTAAEWECEDEFICAAVHEAASPSGTVORAVSNVPGK	320						
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RESULT 4
US-09-809-746-2
; Sequence 2, Application US/09809746
; Patent No. US20010039479A1
; GENERAL INFORMATION:
; APPLICANT: Janderzky, Theodore S.
; APPLICANT: Wurzburg, Beth A.
; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGE
; TITLE OF INVENTION: ANTIBODY AND USES THEREOF
; FILE REFERENCE: AL-9-C2
; CURRENT APPLICATION NUMBER: US/09/809,746
; CURRENT FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 60/234,877
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/189,403
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ. ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ. ID NO. 2
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-809-746-2

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Query March	67.8%	Score 1158,	DB 9,	Length 222,
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QY	103	DSNPRVSAAYLRSPSPDLFRKSPPTTLCVLDLAPSKGVNLTWRASGKPVNHSTKRE	162	
Dd	5	DSNPRVSAAYLRSPSPDLFRKSPPTTLCVLDLAPSKGVNLTWRASGKPVNHSTRE	64	
QY	163	EKORNGTLVLTSTLPVGRDWEISETVQCVTHPH.PRALMSTTTGSPRAAPEVYAF	222	
Dd	65	EKORNGTLVLTSTLPVGRDWEISETVQCVTHPH.PRALMSTTTGSPRAAPEVYAF	124	

Oy	223	PEWGSRRKRLTACIQNFPEDISVQVNLHNVOLPDAHSTTORPKTKGSGFPVFSRL	282
Db	125	TPWGSRRKRLTACIQNFPEDISVQVNLHNVOLPDAHSTTORPKTKGSGFPVFSRL	164
Oy	283	EYTRAWEQKDFICRAVHEAASPSGTVQPAVSANFGK	320
Db	185	EYTRAWEQKDFICRAVHEAASPSGTVQPAVSANFGK	222

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, RESULT 5
, US-09-809-715-6
, Sequence 6, Application US/09899715
, Publication No. US20030003502A1
, GENERAL INFORMATION:
, APPLICANT: Jardetzky, Theodore S.
, APPLICANT: Garman, Scott Clayton
, APPLICANT: Wurzburg, Beth A.
, APPLICANT: Kinet, Jean-Pierre
, TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A COMPLEX BETWEEN A PC
, TITLE OF INVENTION: EPISILON RECEPTOR ALPHA CHAIN AND A FC REGION OF AN IGB
, FILE REFERENCE: AL-8
, CURRENT APPLICATION NUMBER: US/09/809,715
, CURRENT FILING DATE: 2001-03-14
, PRIOR APPLICATION NUMBER: 60/189,853
, PRIOR FILING DATE: 2000-03-15
, NUMBER OF SEQ ID NOS: 6
, SOFTWARE: PatentIn Ver. 2.1
, SEQ ID NO 6
, LENGTH: 222
, TYPE: prt
, ORGANISM: Homo sapiens
, US-09-809-715-6

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Db	65	EKORNGTLTVSTLTPVGRDMIEGTCQCRVTHPHLPALMNSTKTGSPRAAPREVAFA	124	
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Db	125	TPWPGSRDKTKTLACLIONFMPEDISVOMLHNEVOLPDARHSTTOPRKTGSGFEVFSRL	184	
QY	283	EVTBRAWEQKDEFTICRAVHHAASBQCTVQRAVSANPGK	320	
Db	185	EVTBRAWEQKDEFTICRAVHHAASBQCTVQRAVSANPGK	222	

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RESULT 6
US-10-704-406-2
; Sequence 2, Application US/10704406
; Publication No. US2004013356A1
; GENERAL INFORMATION:
; APPLICANT: Jareduzky, Theodore S.
; APPLICANT: Murzburg, Beth A.
; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGE ANTIBODY AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: AL-9-C2
; CURRENT APPLICATION NUMBER: US/10/704,406
; CURRENT FILING DATE: 2003-11-07
; PRIOR APPLICATION NUMBER: 09/809,746
; PRIOR FILING DATE: 2003-06-12
; PRIOR APPLICATION NUMBER: 60/234,877
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/189,403

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: PRIOR FILING DATE: 2000-03-15
: NUMBER OF SEQ ID NOS: 7
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 2
: LENGTH: 222
: TYPE: PR1
: ORGANISM: Homo sapiens
: US-10-704-406-2

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Best Local	Similarity	100.0%	Pred. No. 5e-84		
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			Gaps	0	
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Db	5	DSNRRGVSAVLSRRSPEDLFRKSPITTCGLVVDLAPSKGTVNLTWSRASKGVNHSRKE	64		
QY	163	EKQKNGTLVTSLTVPVGTDMISEGTQCVTHPHLRALMRSTTKTSGRAAPEVYAF	222		
Db	65	EKQKNGTLVTSLTVPVGTDMISEGTQCVTHPHLRALMRSTTKTSGRAAPEVYAF	124		
QY	223	TPWPGSRDRKTLACLQNFMPEDISVQWMLHNEVQLDASHSTTQPRKTSGEFVSRL	282		
Db	125	TPWPGSRDRKTLACLQNFMPEDISVQWMLHNEVQLDASHSTTQPRKTSGEFVSRL	184		
QY	283	EYTRAEMEQKDEFICRAVHHAASSQTVQRAVSNPCK	320		
Db	185	EYTRAEMEQKDEFICRAVHHAASSQTVQRAVSNPCK	222		

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RESULT 7
US-10-152-190-9
; Sequence 9, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamad A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines
; FILE REFERENCE: PC11011A
; CURRENT APPLICATION NUMBER: US/10/152,190
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 236
; TYPE: PRT
; ORGANISM: Modified Human CH2-CH4 carrier protein
US-10-152-190-9

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Query Match	59.3%	Score 10.11.5	DB 14	Length 236
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Db	28	FTPTSVIILLOSSCDGGHFPPTIOLCLVAGSYPGTIQIMLEEDQVMDVLDLASTTQ	87	
Qy	61	GELASTQSELTLSQKMWLSDRTYTCQVLYOQHTEFEDSTKCADSNPRGVSAYLSRSPFD	120	
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Db	88	GELASTQSELTLSQKMWLSDRTFTFCQVLYOQHTEFEDSTKAC-----	128	
Qy	121	LFTKSPFTTICLVVDLAPSKGTVNLWTSRASGKPVNHSSTRKEQRNGTLVTSTLEVGT	180	
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Db	157	NFMEDISVQMLHNEVOLPDARHSTTQPRKTKSGGFVFSRLAVTRAWEQKDEFCIRAI	216	
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Db 217 HEAASPSQTVQRAVSVPNGK 236

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RESULT 8
US-10-152-190-4
; Sequence 4, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamed A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines
; FILE REFERENCE: PC11011A
; CURRENT APPLICATION NUMBER: US/10/152,190
; PRIOR FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Human CH3
US-10-152-190-4
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Query Match
Best Local Similarity 35.3%; Score 602; DB 14; Length 115;
Matches 114; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 102 ADSNRCVSAIYSRPSFDFLRKSPITITCLVVDLAPSKGTVNLTWRSASGKPVNHSTRK 161
Db 1 ADSNRCVSAIYSRPSFDFLRKSPITITCLVVDLAPSKGTVNLTWRSASGKPVNHSTRK 60
QY 162 EKKQNGTLVTSTLPVGTDRMIGETVQCRVTHPHLPALMRSTYTSQGPRAAP 216
Db 61 EKKQNGTLVTSTLPVGTDRMIGETVQCRVTHPHLPALMRSTYTSQGPRAAP 115

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RESULT 9
US-10-214-524-41
; Sequence 41, Application US/10214524
; Publication No. US20030073142A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Swei-Shen Alex
; APPLICANT: Yang, Yong-Min
; APPLICANT: Barankiewicz, Theresa J.
; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF
; FILE REFERENCE: IGE-00101.P.1.1
; CURRENT APPLICATION NUMBER: US/10/214,524
; PRIOR FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: 60/312,120
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Human (Homo sapiens)
US-10-214-524-41
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Query Match
Best Local Similarity 34.0%; Score 581; DB 14; Length 109;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAEVYAFATPEWFGSRDKRTTACLIONFMPEDISVQWLHNEVQLPDARHSTTQPRKT 271
Db 1 PRAAEVYAFATPEWFGSRDKRTTACLIONFMPEDISVQWLHNEVQLPDARHSTTQPRKT 60
QY 272 KSGGFVFSRLLEVTRAEMEQKDEFLCRAVHAASPSQTVQRAVSVPNGK 320
Db 61 KSGGFVFSRLLEVTRAEMEQKDEFLCRAVHAASPSQTVQRAVSVPNGK 109

RESULT 10
US-10-214-524-42

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; Sequence 42, Application US/10214524
; Publication No. US20030073142A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Swei-Shen Alex
; APPLICANT: Yang, Yong-Min
; APPLICANT: Barankiewicz, Theresa J.
; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF
; FILE REFERENCE: IGE-00101.P.1.1
; CURRENT APPLICATION NUMBER: US/10/214,524
; PRIOR FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: 60/312,120
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Human (Homo sapiens)
US-10-214-524-42
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Query Match
Best Local Similarity 33.4%; Score 570; DB 14; Length 107;
Matches 107; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAEVYAFATPEWFGSRDKRTTACLIONFMPEDISVQWLHNEVQLPDARHSTTQPRKT 271
Db 1 PRAAEVYAFATPEWFGSRDKRTTACLIONFMPEDISVQWLHNEVQLPDARHSTTQPRKT 60
QY 272 KSGGFVFSRLLEVTRAEMEQKDEFLCRAVHAASPSQTVQRAVSVPNGK 318
Db 61 KSGGFVFSRLLEVTRAEMEQKDEFLCRAVHAASPSQTVQRAVSVPNGK 107

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RESULT 11
US-09-802-077-1
; Sequence 1, Application US/09802077
; Patent No. US20010033842A1
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)
; FILE REFERENCE: P0718P2CCUS
; CURRENT APPLICATION NUMBER: US/09/802,077
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-077-1
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Query Match
Best Local Similarity 33.2%; Score 566.5; DB 9; Length 109;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAIYLRSPSDFLRKSPITITCLVVDLAPSKGTVNLTWRSASGKPVNHSTRKE 162
Db 1 DSNPRGVSAIYLRSPSDFLRKSPITITCLVVDLAPSKGTVNLTWRSASGKPVNHSTRKE 60
QY 163 EKKQNGTLVTSTLPVGTDRMIGETVQCRVTHPHLPALMRSTYTSQGP 212
Db 61 EKKQNGTLVTSTLPVGTDRMIGETVQCRVTHPHLPALMRSTYTSQGP 109

RESULT 12

US-09-802-096-1

Sequence 1, Application US/09802096
Patent No. US20010038839A1

GENERAL INFORMATION:

APPLICANT: Jardieu, Paula M.

TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)

FILE REFERENCE: P0718P2C3US

CURRENT APPLICATION NUMBER: US/09/802,096

CURRENT FILING DATE: 2001-03-08

PRIOR APPLICATION NUMBER: US 08/405,617

PRIOR FILING DATE: 1995-03-15

PRIOR APPLICATION NUMBER: US 08/185,899

PRIOR FILING DATE: 1994-01-26

PRIOR APPLICATION NUMBER: PCT/US92/06860

PRIOR FILING DATE: 1992-08-14

PRIOR APPLICATION NUMBER: US 07/879,495

PRIOR FILING DATE: 1992-05-07

PRIOR APPLICATION NUMBER: US 07/744,768

PRIOR FILING DATE: 1991-08-14

NUMBER OF SEQ ID NOS: 64

SEQ ID NO 1

LENGTH: 109

TYPE: PRT

ORGANISM: Homo sapiens

US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 9; Length 109;

Best Local Similarity 99.1%; Pred. No. 2,1e-37;

Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRKE 162

DB 1 DSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRKE 60

QY 163 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKSGP 212

DB 61 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKSGP 109

RESULT 13

US-09-925-179-1

Sequence 1, Application US/09925179
Publication No. US20030044858A1

GENERAL INFORMATION:

APPLICANT: Jardieu, Paula M.

TITLE OF INVENTION: Anti-IgE Antibodies (as amended)

FILE REFERENCE: P0718P2C3US

CURRENT APPLICATION NUMBER: US/09/925,179

CURRENT FILING DATE: 2001-08-08

PRIOR APPLICATION NUMBER: US 08/466,163

PRIOR FILING DATE: 1995-06-06

PRIOR APPLICATION NUMBER: US 08/405,617

PRIOR FILING DATE: 1995-03-15

PRIOR APPLICATION NUMBER: US 08/185,899

PRIOR FILING DATE: 1994-01-26

PRIOR APPLICATION NUMBER: PCT/US92/06860

PRIOR FILING DATE: 1992-08-14

PRIOR APPLICATION NUMBER: US 07/879,495

PRIOR FILING DATE: 1992-05-07

PRIOR APPLICATION NUMBER: US 07/744,768

PRIOR FILING DATE: 1991-08-14

NUMBER OF SEQ ID NOS: 68

SEQ ID NO 1

LENGTH: 109

TYPE: PRT

ORGANISM: Homo sapiens

US-09-925-179-1

Query Match 33.2%; Score 566.5; DB 10; Length 109;

Best Local Similarity 99.1%; Pred. No. 2,1e-37;

Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRKE 162

DB 1 DSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRKE 60

QY 163 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKSGP 212

DB 61 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKSGP 109

RESULT 14

US-10-152-190-6

Sequence 6, Application US/10152190
Publication No. US20030096369A1

GENERAL INFORMATION:

APPLICANT: Morsey, Mohamed A.

TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines

FILE REFERENCE: PC11011A

CURRENT APPLICATION NUMBER: US/10/152,190

CURRENT FILING DATE: 2002-05-21

NUMBER OF SEQ ID NOS: 28

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 6

LENGTH: 129

TYPE: PRT

ORGANISM: Baculovirus expressed human CH3 domain

US-10-152-190-6

Query Match 32.5%; Score 554; DB 14; Length 129;

Best Local Similarity 96.3%; Pred. No. 2,6e-36;

Matches 105; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 102 ADSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRK 161

DB 21 ADSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRK 80

QY 162 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKTS 210

DB 81 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKTS 129

RESULT 15

US-10-152-190-8

Sequence 8, Application US/10152190
Publication No. US20030096369A1

GENERAL INFORMATION:

APPLICANT: Morsey, Mohamed A.

TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines

FILE REFERENCE: PC11011A

CURRENT APPLICATION NUMBER: US/10/152,190

CURRENT FILING DATE: 2002-05-21

NUMBER OF SEQ ID NOS: 28

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 8

LENGTH: 108

TYPE: PRT

ORGANISM: Modified Human CH4 Domain

US-10-152-190-8

Query Match 32.3%; Score 551; DB 14; Length 108;

Best Local Similarity 93.5%; Pred. No. 3,6e-36;

Matches 101; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 213 RAAPVEYAFATPEMPGSRDRTLACLIQNFMPEDISVOMLHNEVOLPDARHSTTOPRKT 272

DB 1 RAAPVEYAFATPEMPGSRDRTLACLIQNFMPEDISVOMLHNEVOLPDARHSTTOPRKT 60

QY 273 GSGFVFVSRLEVTBRAEWEQDEFTICRAVHEASPSQTVQRAVSVNPK 320

DB 61 GSGFVFVSRLEVTBRAEWEQDEFTICRAVHEASPSQTVQRAVSVNPK 108

Mon Mar 14 13:04:50 2005

us-09-847-208b-6.rapb

Page 6

Search completed: March 14, 2005, 11:12:33
Job time : 138 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 14, 2005, 10:48:59 ; Search time 43 Seconds
(without alignments)
555.528 Million cell updates/sec

Title: US-09-847-208b-6

Perfect score: 1707
Sequence: 1 FPPPTVKILQSSCDGGGHP.....HEAASPSQTVQRAVSNPK 320

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 437289

Minimum DB seq length: 0
Maximum DB seq length: 320

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents_AA:*

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- 2: /cgn2_6/prodata/1/iaa/5B COMB pep:*
- 3: /cgn2_6/prodata/1/iaa/5A COMB pep:*
- 4: /cgn2_6/prodata/1/iaa/5B COMB pep:*
- 5: /cgn2_6/prodata/1/iaa/5A COMB pep:*
- 6: /cgn2_6/prodata/1/iaa/5B COMB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	895.5	52.5	312	4	US-09-701-623C-2	Sequence 2, Appl1
2	783	45.9	313	4	US-09-701-623C-3	Sequence 3, Appl1
3	691.5	40.5	313	4	US-09-701-623C-4	Sequence 4, Appl1
4	597	35.0	113	2	US-08-232-539D-56	Sequence 56, Appl1
5	587	34.4	110	1	US-08-199-106A-6	Sequence 6, Appl1
6	587	34.4	110	1	US-08-433-105A-6	Sequence 6, Appl1
7	587	34.4	110	2	US-08-434-869A-6	Sequence 6, Appl1
8	581	34.0	109	1	US-08-037-579A-2	Sequence 2, Appl1
9	581	34.0	109	3	US-08-601-184-2	Sequence 2, Appl1
10	566.5	33.2	109	3	US-08-466-163B-1	Sequence 1, Appl1
11	566.5	33.2	109	4	US-09-802-096-1	Sequence 1, Appl1
12	566.5	33.2	109	4	US-09-802-077-1	Sequence 1, Appl1
13	556	32.6	106	2	US-08-232-539D-54	Sequence 54, Appl1
14	526	30.8	119	2	US-08-464-025A-1	Sequence 1, Appl1
15	508.5	29.8	118	3	US-08-466-151-1	Sequence 1, Appl1
16	416.5	24.3	320	2	US-08-579-940-8	Sequence 8, Appl1
17	414	24.3	76	4	US-09-701-623C-40	Sequence 40, Appl1
18	394	23.1	76	4	US-09-701-623C-31	Sequence 31, Appl1
19	357.5	20.9	107	4	US-09-281-160B-36	Sequence 36, Appl1
20	356	20.9	228	4	US-09-968-362A-27	Sequence 27, Appl1
21	356	20.9	235	3	US-09-131-247-6	Sequence 6, Appl1
22	356	20.9	235	3	US-09-784-623-6	Sequence 6, Appl1
23	356	20.9	247	4	US-09-428-082B-12	Sequence 12, Appl1
24	356	20.9	269	4	US-09-428-082B-10	Sequence 10, Appl1
25	355	20.8	253	4	US-09-428-082B-18	Sequence 18, Appl1
26	355	20.8	277	4	US-09-428-082B-20	Sequence 20, Appl1
27	354	20.7	281	4	US-09-854-864-10	Sequence 10, Appl1

28	354	20.7	316	3	US-09-178-869-4	Sequence 4, Appl1
29	354	20.7	316	4	US-09-761-413-4	Sequence 4, Appl1
30	353.5	20.7	309	4	US-09-883-777-7	Sequence 7, Appl1
31	353.5	20.7	309	4	US-09-742-454A-7	Sequence 7, Appl1
32	353	20.7	217	4	US-09-483-588-5	Sequence 5, Appl1
33	352	20.6	228	4	US-09-428-082B-2	Sequence 2, Appl1
34	352	20.6	228	4	US-09-847-249A-2	Sequence 2, Appl1
35	352	20.6	228	4	US-09-840-669B-2	Sequence 2, Appl1
36	352	20.6	228	4	US-09-443-221A-2	Sequence 2, Appl1
37	352	20.6	228	4	US-09-709-704A-2	Sequence 2, Appl1
38	352	20.6	228	4	US-09-422-838C-5	Sequence 5, Appl1
39	352	20.6	229	4	US-09-122-144-2	Sequence 2, Appl1
40	352	20.6	232	2	US-08-595-043A-50	Sequence 50, Appl1
41	352	20.6	232	4	US-09-968-362A-26	Sequence 26, Appl1
42	352	20.6	243	4	US-09-428-082B-1068	Sequence 1068, Ap
43	352	20.6	247	4	US-09-428-082B-6	Sequence 6, Appl1
44	352	20.6	248	4	US-09-428-082B-1056	Sequence 1056, Ap
45	352	20.6	248	4	US-09-428-082B-1058	Sequence 1058, Ap

ALIGNMENTS

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RESULT 1
US-09-701-623C-2
; Sequence 2, Application US/09701623C
; Patent No. 6811782
; GENERAL INFORMATION:
; APPLICANT: Wang Ph.D., Chang Yi
; TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF
; FILE OF INVENTION: 11514153US1
; CURRENT APPLICATION NUMBER: US/09/701,623C
; PRIOR APPLICATION NUMBER: PCT/US99/13959
; PRIOR FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: 09/100,287
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Dog
; FEATURE:
; OTHER INFORMATION: CH2CH3n of dog IGB
; PUBLICATON INFORMATION:
; AUTHORS: Patel,
; JOURNAL: Immunogenetics
; VOLUME: 41
; PAGES: 287-286
; DATE: 1995
US-09-701-623C-2
Query Match          52.5%; Score 895.5; DB 4; Length 312;
Best Local Similarity 55.1%; Pred. No. 5.6e-78;
Matches 172; Conservative 48; Mismatches 83; Indels 9; Gaps 5;
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QY 1 FPPPTVKILQSSCDGGGHPPTIQLCLVSGYPTGINTITWLEDGQ-VMDVDLSTASTQ 59
DB 6 FPPPTVKILQSSCDGGGHPPTIQLCLVSGYPTGINTITWLEDGQ-VMDVDLSTASTQ 59

QY 60 EGGVATSHSLNLTGGGHWOSQKTYTC---QGTFPOEARKCSDDRGVTSLSPPSL 121
DB 66 EGGVATSHSLNLTGGGHWOSQKTYTC---QGTFPOEARKCSDDRGVTSLSPPSL 121

QY 120 DLFIRKSPITTCVLDLAPSKGTNLTPWSPASGPVNHSTRKEKORNGTLTYTSTLPVG 179
DB 122 DLYVHKAPKITTCVLDLAPSKGTNLTPWSPASGPVNHSTRKEKORNGTLTYTSTLPVG 179

QY 180 TRWIRGEGTYQCVTHPHLPRLMRSTTKTSGPRAAPVYAFPTP-EMPSRDKRTIAC 238
DB 181 TNDWIRGEGTYQCVTHPHLPRLMRSTTKTSGPRAAPVYAFPTP-EMPSRDKRTIAC 238

TITLE OF INVENTION: 1GE Antagonists
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,539D
FILING DATE: 21-Apr-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/178583
FILING DATE: 07-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P3
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 113 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-232-539D-56

Query Match 35.0%; Score 597; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 7,2e-50;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 CADSNPGVSAVLSRPSFPLFIKSPITITCLVVDLAPSKGTVALTMSRASKGVNSTR 160
DB 1 CANSNPGVSAVLSRPSFPLFIKSPITITCLVVDLAPSKGTVALTMSRASKGVNSTR 60

QY 161 KEKORNGILTVITSTLPGVGRDWTIEGTYOCRVTHPHLPALMRSTTKSGP 212
DB 61 KEKORNGILTVITSTLPGVGRDWTIEGTYOCRVTHPHLPALMRSTTKSGP 112

RESULT 5
US-08-399-106A-6
Sequence 6, Application US/08399106A
Patent No. 5731168
GENERAL INFORMATION:
APPLICANT: Carter, Paul J.
APPLICANT: Pretter, Leonard G.
APPLICANT: Ridgway, John B.
TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/399,106A
FILING DATE: 01-Mar-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: P0927
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 110 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-399-106A-6

Query Match 34.4%; Score 587; DB 1; Length 110;
Best Local Similarity 100.0%; Pred. No. 6,4e-49;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAPEVVAFAFATPEWPGSRDKRTLACTLQNFMPEDISVQMLHNEVOLPDARHSTTOPRK 270
DB 1 GPRAPEVVAFAFATPEWPGSRDKRTLACTLQNFMPEDISVQMLHNEVOLPDARHSTTOPRK 60

QY 271 TKSGGFVFSRLLEVTRAWEQKDFICRAVHAASPSQTVQRAVSVPK 320
DB 61 TKSGGFVFSRLLEVTRAWEQKDFICRAVHAASPSQTVQRAVSVPK 110

RESULT 6
US-08-433-105A-6
Sequence 6, Application US/08433105A
Patent No. 5807706
GENERAL INFORMATION:
APPLICANT: Carter, Paul J.
APPLICANT: Pretter, Leonard G.
APPLICANT: Ridgway, John B.
TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/433,105A
FILING DATE: 03-May-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/399106
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: P0927D2
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 110 amino acids

TYPE: Amino Acid
TOPOLOGY: Linear
US-08-433-105A-6

Query Match
Best Local Similarity 34.4%; Score 587; DB 1; Length 110;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAPEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDARHSTTOPRK 270
DB 1 GPRAAPEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDARHSTTOPRK 60
QY 271 TKSGGFVFSRLLEVTRAWEQKDEFTICRAVHEAASPSQTVORAVSNPGK 320
DB 61 TKSGGFVFSRLLEVTRAWEQKDEFTICRAVHEAASPSQTVORAVSNPGK 110

RESULT 7

US-08-434-869A-6
Sequence 6, Application US/08434869A
Patent No. 5821333
GENERAL INFORMATION:
APPLICANT: Carter, Paul J.
APPLICANT: Presta, Leonard G.
APPLICANT: Ridgway, John B.
TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/434, 869A
FILING DATE: 03-May-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/399106
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: P0927D1
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 110 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-434-869A-6

Query Match
Best Local Similarity 34.4%; Score 587; DB 2; Length 110;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAPEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDARHSTTOPRK 270
DB 1 GPRAAPEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDARHSTTOPRK 60
QY 271 TKSGGFVFSRLLEVTRAWEQKDEFTICRAVHEAASPSQTVORAVSNPGK 320
DB 61 TKSGGFVFSRLLEVTRAWEQKDEFTICRAVHEAASPSQTVORAVSNPGK 110

RESULT 8

US-08-037-579A-2
Sequence 2, Application US/08037579A
Patent No. 5552537
GENERAL INFORMATION:
APPLICANT: Zhang, Ke
APPLICANT: Max, Edward E
APPLICANT: Saxon, Andrew
TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/037, 579A
FILING DATE: 24-MAR-1993
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Rowland, Bertam I
REGISTRATION NUMBER: 20,015
REFERENCE/DOCKET NUMBER: A-57950/BIR UCLA-233
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 109 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-037-579A-2

Query Match
Best Local Similarity 34.0%; Score 581; DB 1; Length 109;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDARHSTTOPRK 271
DB 1 PRAAPEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDARHSTTOPRK 60
QY 272 KSGGFVFSRLLEVTRAWEQKDEFTICRAVHEAASPSQTVORAVSNPGK 320
DB 61 KSGGFVFSRLLEVTRAWEQKDEFTICRAVHEAASPSQTVORAVSNPGK 109

RESULT 9

US-08-601-184-2
Sequence 2, Application US/08601184
Patent No. 6043345
GENERAL INFORMATION:
APPLICANT: Zhang, Ke
APPLICANT: Max, Edward E
APPLICANT: Saxon, Andrew
TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187


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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PCDOS/MSDOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/601,184
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J.
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: A-57950-1/PJS UCLA233-1
TELEPHONE: (415) 494-8700
TELEFAX: (415) 494-8771
TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 109 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-601-184-2

Query Match          34.0%; Score 581; DB 3; Length 109;
Best Local Similarity 100.0%; Pred. No. 2.4e-48;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 212 PRAAPEYVATPEWPGSRDKRTLACLIONFMPEDISVOMLHNEVQLPDARHSTTQPKRT 271
Db 1 PRAAPEYVATPEWPGSRDKRTLACLIONFMPEDISVOMLHNEVQLPDARHSTTQPKRT 60

Qy 272 KSGGFYFSLFETTRAEWEOKDEFICRAVHEAASPSQTVQNAVSVNGK 320
Db 61 KSGGFYFSLFETTRAEWEOKDEFICRAVHEAASPSQTVQNAVSVNGK 109

RESULT 10
US-08-466-163B-1
; Sequence 1, Application US/08466163B
; Patent No. 6329509
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; TITLE OF INVENTION: Immunoglobulin Variants
; FILE REFERENCE: P0718P2C1D1
; CURRENT APPLICATION NUMBER: US/08/466,163B
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-08-466-163B-1

Query Match          33.2%; Score 566.5; DB 3; Length 109;
Best Local Similarity 99.1%; Pred. No. 5.9e-47;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNPRGSAVLSRSPFDLFIKSPITTCVVDLAPSKGTNLTWSRASGKPVNHSTRKE 162
Db 1 DSNPRGSAVLSRSPFDLFIKSPITTCVVDLAPSKGTNLTWSRASGKPVNHSTRKE 60

Qy 163 EKORNGTLVTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGP 212
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Db 61 EKORNGTLVTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGP 109

RESULT 11
US-09-802-096-1
; Sequence 1, Application US/09802096
; Patent No. 6685939
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)
; FILE REFERENCE: P0718P2C3US
; CURRENT APPLICATION NUMBER: US/09/802,096
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-802-096-1

Query Match          33.2%; Score 566.5; DB 4; Length 109;
Best Local Similarity 99.1%; Pred. No. 5.9e-47;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNPRGSAVLSRSPFDLFIKSPITTCVVDLAPSKGTNLTWSRASGKPVNHSTRKE 162
Db 1 DSNPRGSAVLSRSPFDLFIKSPITTCVVDLAPSKGTNLTWSRASGKPVNHSTRKE 60

Qy 163 EKORNGTLVTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGP 212
Db 61 EKORNGTLVTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGP 109

RESULT 12
US-09-802-077-1
; Sequence 1, Application US/09802077
; Patent No. 6699472
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)
; FILE REFERENCE: P0718P2C2US
; CURRENT APPLICATION NUMBER: US/09/802,077
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-802-077-1
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Query Match 33.2%; Score 566.5; DB 4; Length 109;
Best Local Similarity 99.1%; Pred. No. 5.9e-47;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAVLSRPSFDFIRKSPITTCVVDLAPSKGTVNLTWSRASGKPVNHSTRTKE 162
DB 1 DSNPRGVSAVLSRPSFDFIRKSPITTCVVDLAPSKGTVNLTWSRASGKPVNHSTRTKE 60

QY 163 EKORNGTLVTSTLPVGTGTRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 212
DB 61 EKORNGTLVTSTLPVGTGTRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 109

RESULT 13
US-08-232-539D-54
Sequence 54, Application US/08232539D
Patent No. 5965709
GENERAL INFORMATION:
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: IGE Antagonists
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,539D
FILING DATE: 21-Apr-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/178583
FILING DATE: 07-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/225-1489
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 106 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-232-539D-54

Query Match 32.6%; Score 556; DB 2; Length 106;
Best Local Similarity 100.0%; Pred. No. 5.8e-46;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 108 GVSAYLSRPSFDFIRKSPITTCVVDLAPSKGTVNLTWSRASGKPVNHSTRTKEKORN 167
DB 1 GVSAYLSRPSFDFIRKSPITTCVVDLAPSKGTVNLTWSRASGKPVNHSTRTKEKORN 60

QY 168 GILTITVSTLPVGTGTRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 212
DB 61 GILTITVSTLPVGTGTRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 105

RESULT 14
US-08-464-025A-1

Sequence 1, Application US/08464025A
Patent No. 5994514
GENERAL INFORMATION:
APPLICANT: Jardieu et al.
TITLE OF INVENTION: IMMUNOGLOBULIN VARIANTS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,025A
FILING DATE: 05-Jun-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-464-025A-1

Query Match 30.8%; Score 526; DB 2; Length 119;
Best Local Similarity 90.7%; Pred. No. 5.4e-43;
Matches 107; Conservative 1; Mismatches 2; Indels 8; Gaps 4;

QY 103 DSNPRGVSAVLSRPSFDFIRKSPITTCVVDLAPSKGTVNLTWSRAS--GKPVNHS 158
DB 2 DSNPRGVSAVLSRPSFDFIRKSPITTCVVDLAPSKGTVNLTWSRASXAXXGKPVNHS 61

QY 159 TRKEEKOR--NGTLVTSTLPVGTGTRDWIEGETYOCRVTHPHLPAL--MRSTTKTSGP 212
DB 62 TRKEEKORXAXXGILTITVSTLPVGTGTRDWIEGETYOCRVTHPHLPALXMRSTTKTSGP 119

RESULT 15
US-08-466-151-1
Sequence 1, Application US/08466151
Patent No. 6037453
GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 14, 2005, 11:10:15 ; Search time 140 Seconds
(without alignments)
1340.584 Million cell updates/sec

Title: US-09-847-208b-7
Perfect score: 3060
Sequence: 1 EPKSCDKHTGCPAPPELL.....HEAAPSQTVQRAVSNPKG 569

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1396920 seqs, 329844858 residues

Total number of hits satisfying chosen parameters: 1267004

Minimum DB seq length: 0
Maximum DB seq length: 569

Post-processing: Minimum Match 0%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	3060	100.0	569	14	US-10-000-439-7
3	1766	57.7	427	10	US-09-847-208-5
4	1766	57.7	427	14	US-10-000-439-5
5	1766	57.7	428	9	US-09-916-230-1
6	1766	57.7	428	9	US-09-949-375A-1
7	1766	57.7	428	13	US-10-047-542-60
8	1766	57.7	428	16	US-10-363-954A-1
9	1755	57.4	441	9	US-09-949-375A-7
10	1755	57.4	441	16	US-10-363-954A-7
11	1754.5	57.3	497	17	US-10-872-932A-35
12	1707	55.8	320	10	US-09-847-208-6
13	1707	55.8	320	14	US-10-000-439-6

14	1707	55.8	323	9	US-09-949-375A-2	Sequence 2, Appl1
15	1707	55.8	323	9	US-09-949-375A-4	Sequence 4, Appl1
16	1707	55.8	323	9	US-09-949-375A-6	Sequence 6, Appl1
17	1707	55.8	323	16	US-10-363-954A-2	Sequence 2, Appl1
18	1707	55.8	323	16	US-10-363-954A-4	Sequence 4, Appl1
19	1707	55.8	323	16	US-10-363-954A-6	Sequence 6, Appl1
20	1707	55.8	311	9	US-09-401-636-1	Sequence 1, Appl1
21	1707	55.8	311	14	US-10-176-664-1	Sequence 1, Appl1
22	1707	55.8	311	14	US-10-207-655-329	Sequence 329, App
23	1707	55.8	311	15	US-10-673-594-1	Sequence 1, Appl1
24	1705.5	55.7	426	14	US-10-214-524-26	Sequence 26, Appl1
25	1696	55.4	336	9	US-09-949-375A-8	Sequence 8, Appl1
26	1696	55.4	336	16	US-10-363-954A-8	Sequence 8, Appl1
27	1671	54.6	330	9	US-09-949-375A-10	Sequence 10, Appl1
28	1671	54.6	330	16	US-10-363-954A-10	Sequence 10, Appl1
29	1649	53.9	347	14	US-10-152-190-13	Sequence 13, Appl1
30	1579	51.6	347	14	US-10-152-190-12	Sequence 12, Appl1
31	1566.5	51.2	348	14	US-10-152-190-11	Sequence 11, Appl1
32	1435.5	46.9	346	14	US-10-152-190-10	Sequence 10, Appl1
33	1364.5	44.6	346	14	US-10-152-190-14	Sequence 14, Appl1
34	1307	42.7	465	17	US-10-887-230-43	Sequence 43, Appl1
35	1299	42.5	485	17	US-10-887-230-26	Sequence 26, Appl1
36	1260	41.2	232	10	US-09-847-208-3	Sequence 3, Appl1
37	1260	41.2	232	14	US-10-000-439-3	Sequence 3, Appl1
38	1260	41.2	330	10	US-09-847-208-2	Sequence 2, Appl1
39	1260	41.2	330	14	US-10-000-439-2	Sequence 2, Appl1
40	1255.5	41.0	526	15	US-10-385-802-52	Sequence 52, Appl1
41	1247	40.8	277	15	US-10-609-217-22	Sequence 22, Appl1
42	1247	40.8	277	15	US-10-632-388-22	Sequence 22, Appl1
43	1247	40.8	277	15	US-10-651-723-22	Sequence 22, Appl1
44	1247	40.8	277	15	US-10-645-761-22	Sequence 22, Appl1
45	1247	40.8	277	15	US-10-666-696-22	Sequence 22, Appl1

ALIGNMENTS

RESULT 1
US-09-847-208-7
; Sequence 7, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ. ID NOS: 177
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ. ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4
; OTHER INFORMATION: (IGF)
US-09-847-208-7

Query Match 100.0%; Score 3060; DB 10; Length 569;
Best Local Similarity 100.0%; Pred. No. 4.1e-193;
Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 EPKSCDKHTGCPAPPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTGCPAPPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
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DB 61 NMYVDGVEHNVNVTKTRREEDYNSTYRVSVLTILHQNMMNGKRYCKKVSNAKALPAPELKT 120

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DB 181 PVLDSVGSFPLYSKLTVDKSRMWOQGNVFSCSVMHEALHNHYQOQSLSLSPGKVEGGGSGS 240
OY 241 GGGSGGGGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTITWLEDQVMDVD 300
DB 241 GGGSGGGGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTITWLEDQVMDVD 300
OY 301 LSTAATQEGELASTQSELTLISQKHWLSDRITYTCQVYTGHTFEDSTKKCADSNPRGVA 360
DB 301 LSTAATQEGELASTQSELTLISQKHWLSDRITYTCQVYTGHTFEDSTKKCADSNPRGVA 360
OY 361 YLSRSPFDLFRKSPPTITCLVVDLAPSKGTVNLTWBSASGKPVNHSRKEKORNGTLT 420
DB 361 YLSRSPFDLFRKSPPTITCLVVDLAPSKGTVNLTWBSASGKPVNHSRKEKORNGTLT 420
OY 421 VTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEMPGSRD 480
DB 421 VTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEMPGSRD 480
OY 481 KRTIACLIQNFMPEDISVQWMLHNEVQLPDARHSTTQPRKTKGSGFVFSRLLEVTRAEMEQ 540
DB 481 KRTIACLIQNFMPEDISVQWMLHNEVQLPDARHSTTQPRKTKGSGFVFSRLLEVTRAEMEQ 540
OY 541 KQEFICRAVHEAASPSQTVQRAVSNPGK 569
DB 541 KQEFICRAVHEAASPSQTVQRAVSNPGK 569
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RESULT 2

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US-10-000-439-7
; Sequence 7, Application US/10000439
; Publication No. US2003006406A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000.439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
; OTHER INFORMATION: (IgG1) sequence and a CH2-CH3-CH4 (IgE) sequence
US-10-000-439-7
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Query Match 100.0%; Score 3060; DB 14; Length 569;

Best Local Similarity 100.0%; Pred. No. 4,1e-193;

Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 1 EPKSCDKTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTVVVVDSHEDPEVVF 60
DB 1 EPKSCDKTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTVVVVDSHEDPEVVF 60
OY 61 NMVVDVEVHNVTKRREQYNSTYRVVSVLTVTHQNMNNGKRYCKKVSNNKALPAPIEKT 120
DB 61 NMVVDVEVHNVTKRREQYNSTYRVVSVLTVTHQNMNNGKRYCKKVSNNKALPAPIEKT 120
OY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTPP 180
DB 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTPP 180
```

```
OY 181 PVLDSVGSFPLYSKLTVDKSRMWOQGNVFSCSVMHEALHNHYQOQSLSLSPGKVEGGGSGS 240
DB 181 PVLDSVGSFPLYSKLTVDKSRMWOQGNVFSCSVMHEALHNHYQOQSLSLSPGKVEGGGSGS 240
OY 241 GGGSGGGGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTITWLEDQVMDVD 300
DB 241 GGGSGGGGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTITWLEDQVMDVD 300
OY 301 LSTAATQEGELASTQSELTLISQKHWLSDRITYTCQVYTGHTFEDSTKKCADSNPRGVA 360
DB 301 LSTAATQEGELASTQSELTLISQKHWLSDRITYTCQVYTGHTFEDSTKKCADSNPRGVA 360
OY 361 YLSRSPFDLFRKSPPTITCLVVDLAPSKGTVNLTWBSASGKPVNHSRKEKORNGTLT 420
DB 361 YLSRSPFDLFRKSPPTITCLVVDLAPSKGTVNLTWBSASGKPVNHSRKEKORNGTLT 420
OY 421 VTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEMPGSRD 480
DB 421 VTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEMPGSRD 480
OY 481 KRTIACLIQNFMPEDISVQWMLHNEVQLPDARHSTTQPRKTKGSGFVFSRLLEVTRAEMEQ 540
DB 481 KRTIACLIQNFMPEDISVQWMLHNEVQLPDARHSTTQPRKTKGSGFVFSRLLEVTRAEMEQ 540
OY 541 KQEFICRAVHEAASPSQTVQRAVSNPGK 569
DB 541 KQEFICRAVHEAASPSQTVQRAVSNPGK 569
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RESULT 3

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US-09-847-208-5
; Sequence 5, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-5
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Query Match 57.7%; Score 1766; DB 10; Length 427;

Best Local Similarity 76.0%; Pred. No. 4.2e-108;

Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

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OY 129 REPQVYTLPPSRDELTKNQVSLT-CLVKGFYPSDIAVEMESNGQPENNYKTPP-PVLDS 185
DB 3 QSPSVFPLTRCCKNIPSNATSVTLGCLATGFFPEPVWVTWDT-GSLNGTITWTLPATLTLT 61
OY 186 VGSFPLYSKLTVDKSRMWOQGNVFSCSVMHEALHNHY-QQNSLSLSPGKVEGGGSGGSGS 244
DB 62 SGHVAITLSLTV-SGAAWK-QMFTCRAVHAPSSTDWMDNKFVVC----- 104
OY 245 GGGSGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTITWLEDQVMDVDLSTA 304
DB 105 --SRDFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTITWLEDQVMDVDLSTA 162
OY 305 STTQEGELASTQSELTLISQKHWLSDRITYTCQVYTGHTFEDSTKKCADSNPRGSAVLSR 364
DB 163 STTQEGELASTQSELTLISQKHWLSDRITYTCQVYTGHTFEDSTKKCADSNPRGSAVLSR 222
OY 365 PSPFDLFRKSPPTITCLVVDLAPSKGTVNLTWBSASGKPVNHSRKEKORNGTLTYTST 424
DB 223 PSPFDLFRKSPPTITCLVVDLAPSKGTVNLTWBSASGKPVNHSRKEKORNGTLTYTST 282
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QY 425 LPVGTDMIEGETYQCRVTHPHLPRLMRSTTKTSGPRAPEVYAFATPEWPGSRDKRTL 484
Db 283 LPVGTDMIEGETYQCRVTHPHLPRLMRSTTKTSGPRAPEVYAFATPEWPGSRDKRTL 342
QY 485 ACTIONMPEDISVOMLHNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 544
Db 343 ACTIONMPEDISVOMLHNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 402
QY 545 ICRAVHEAASPSQTVQRAVSVNPGK 569
Db 403 ICRAVHEAASPSQTVQRAVSVNPGK 427

RESULT 4
US-10-000-439-5
Sequence 5, Application US/10000439
Publication No. US20030064063A1
GENERAL INFORMATION:
APPLICANT: Saxon, Andrew
TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
FILE REFERENCE: UC067.004A
CURRENT APPLICATION NUMBER: US/10/000.439
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: US 09/847,208
PRIOR FILING DATE: 2001-05-01
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 427
TYPE: PRT
ORGANISM: Homo sapiens
US-10-000-439-5

Query Match 57.7%; Score 1766; DB 14; Length 427;
Best Local Similarity 78.0%; Pred. No. 4.2e-108;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVEMESNGQPENNYKTP-PYLDS 185
Db 3 QSPSVFPLTRCKKNIIPSNATSVTLGCLATGFFPVPVWVTWD--GSLNGTMTLTPATLTL 61
QY 186 VGSFFLYSKLTVDKSRNQGVNFSQVMEALHNHY--QORSLSLSPKVEGGGSGGGS 244
Db 62 SGHYATISLTLV--SGAMAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 104
QY 245 GGGGSFPTPVKILQSSCDGGHPPPTIQLCLVSGTPTGINTITWLEDQVMDVLDSTA 304
Db 105 --SRDFTPTPVKILQSSCDGGHPPPTIQLCLVSGTPTGINTITWLEDQVMDVLDSTA 162
QY 305 STTOEGELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCKADSNPRGSAVLSR 364
Db 163 STTOEGELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCKADSNPRGSAVLSR 222
QY 365 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRASKPVNHSRKEKQRNGTLTVTST 424
Db 223 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRASKPVNHSRKEKQRNGTLTVTST 282
QY 425 LPVGTDMIEGETYQCRVTHPHLPRLMRSTTKTSGPRAPEVYAFATPEWPGSRDKRTL 484
Db 283 LPVGTDMIEGETYQCRVTHPHLPRLMRSTTKTSGPRAPEVYAFATPEWPGSRDKRTL 342
QY 485 ACTIONMPEDISVOMLHNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 544
Db 343 ACTIONMPEDISVOMLHNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 402
QY 545 ICRAVHEAASPSQTVQRAVSVNPGK 569
Db 403 ICRAVHEAASPSQTVQRAVSVNPGK 427

RESULT 5

US-09-916-230-1
Sequence 1, Application US/09916230
Patent No. US20020146422A1
GENERAL INFORMATION:
APPLICANT: Bachmann, Martin F.
APPLICANT: Renner, Wolfgang A.
TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-1gB
TITLE OF INVENTION: Antibodies and Uses Thereof
FILE REFERENCE: 1700.0140001
CURRENT APPLICATION NUMBER: US/09/916.230
CURRENT FILING DATE: 2001-07-27
PRIOR APPLICATION NUMBER: US 60/221,841
PRIOR FILING DATE: 2000-07-28
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 428
TYPE: PRT
ORGANISM: Homo sapiens
US-09-916-230-1

Query Match 57.7%; Score 1766; DB 9; Length 428;
Best Local Similarity 78.0%; Pred. No. 4.2e-108;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVEMESNGQPENNYKTP-PYLDS 185
Db 4 QSPSVFPLTRCKKNIIPSNATSVTLGCLATGFFPVPVWVTWD--GSLNGTMTLTPATLTL 62
QY 186 VGSFFLYSKLTVDKSRNQGVNFSQVMEALHNHY--QORSLSLSPKVEGGGSGGGS 244
Db 62 SGHYATISLTLV--SGAMAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 105
QY 245 GGGGSFPTPVKILQSSCDGGHPPPTIQLCLVSGTPTGINTITWLEDQVMDVLDSTA 304
Db 106 --SRDFTPTPVKILQSSCDGGHPPPTIQLCLVSGTPTGINTITWLEDQVMDVLDSTA 163
QY 305 STTOEGELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCKADSNPRGSAVLSR 364
Db 164 STTOEGELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCKADSNPRGSAVLSR 223
QY 365 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRASKPVNHSRKEKQRNGTLTVTST 424
Db 224 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRASKPVNHSRKEKQRNGTLTVTST 283
QY 425 LPVGTDMIEGETYQCRVTHPHLPRLMRSTTKTSGPRAPEVYAFATPEWPGSRDKRTL 484
Db 284 LPVGTDMIEGETYQCRVTHPHLPRLMRSTTKTSGPRAPEVYAFATPEWPGSRDKRTL 343
QY 485 ACTIONMPEDISVOMLHNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 544
Db 344 ACTIONMPEDISVOMLHNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 403
QY 545 ICRAVHEAASPSQTVQRAVSVNPGK 569
Db 404 ICRAVHEAASPSQTVQRAVSVNPGK 428

RESULT 6
US-09-949-375A-1
Sequence 1, Application US/09949375A
Patent No. US20020172673A1
GENERAL INFORMATION:
APPLICANT: Klysner, Steen et al.
TITLE OF INVENTION: METHOD FOR DOWN-REGULATING ICE
FILE REFERENCE: 3631-0111P
CURRENT APPLICATION NUMBER: US/09/949.375A
CURRENT FILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 428
TYPE: PRT

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/ ORGANISM: homo sapiens
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (11)..(116)
/ OTHER INFORMATION: Human Igs heavy chain C1 domain
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (209)..(216)
/ OTHER INFORMATION: Linker between domains C2 and C3
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (205)..(219)
/ OTHER INFORMATION: Epitope including C2C3 linker
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (315)..(323)
/ OTHER INFORMATION: Epitope including C3C4 linker
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (244)..(251)
/ OTHER INFORMATION: Epitope in BC loop
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (272)..(280)
/ OTHER INFORMATION: Epitope in DE loop
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (301)..(311)
/ OTHER INFORMATION: Epitope in FG loop
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (317)..(320)
/ OTHER INFORMATION: Linker between domains C3 and C4
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (321)..(422)
/ OTHER INFORMATION: Human Igs heavy chain C4 domain
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (217)..(316)
/ OTHER INFORMATION: Human Igs heavy chain C3 domain
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (113)..(208)
/ OTHER INFORMATION: Human Igs heavy chain C2 domain
US-09-949-375A-1
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Query Match 57.7%; Score 1766; DB 9; Length 428;
Best Local Similarity 78.0%; Pred. No. 4.2e-108;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

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QY 129 REPQVYTLPPSRDELTKNOVSLT--CLVKGFPYSDIAVWESNGQPENNYKTP-PVLDS 185
DB 4 QSPVFPFLTRCKKNIPNATSVTLGCLATGYFPEPVVWTDT-GSLNGTMTLPAITLTL 62
QY 186 VGSFFLYSKLTVDKSRWQGNVFCVMEHALNNH-QORSLSLSPGKVEGGGSGGGS 244
DB 63 SGHATISLTLV-SGAMAK-QMFTCRVAHTPSSTDWDNKTFVVC----- 105
QY 245 GGGGSFTPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTNITWLEDQVMDVDLSTA 304
DB 106 --SRDFTPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTNITWLEDQVMDVDLSTA 163
QY 305 STTOGELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 364
DB 164 STTOGELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 223
QY 365 PSPFDLFIKSPITITGLVVDLAPSKGTVNLTWSRASGKRVNHSRKEEKORNGTLTVTST 424
DB 224 PSPFDLFIKSPITITGLVVDLAPSKGTVNLTWSRASGKRVNHSRKEEKORNGTLTVTST 283
QY 425 LPVGTDMWIEGTYQCRVTHPHLPALMRSSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 484
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DB 284 LPVGTDMWIEGTYQCRVTHPHLPALMRSSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 343
QY 485 ACLIQNFMEDISVQWLHNEVOLPDARHSTTOPRKTGSGFVFSRLVTRAWEQKDEF 544
DB 344 ACLIQNFMEDISVQWLHNEVOLPDARHSTTOPRKTGSGFVFSRLVTRAWEQKDEF 403
QY 545 ICRAVHEAASPSQTVQRAVSNVPGK 569
DB 404 ICRAVHEAASPSQTVQRAVSNVPGK 428
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RESULT 7
US-10-047-542-60

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/ Sequence 60, Application US/10047542
/ Publication No. US20020168367A1
/ GENERAL INFORMATION:
/ APPLICANT: WYCOFF, KEITH L.
/ TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL
/ FILE REFERENCE: 030905, 0004, CIP1
/ CURRENT FILING DATE: 2001-10-26
/ PRIOR APPLICATION NUMBER: PCT/US01/13932
/ PRIOR FILING DATE: 2001-04-28
/ NUMBER OF SEQ ID NOS: 101
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 60
/ LENGTH: 428
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-047-542-60
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Query Match 57.7%; Score 1766; DB 13; Length 428;
Best Local Similarity 78.0%; Pred. No. 4.2e-108;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

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QY 129 REPQVYTLPPSRDELTKNOVSLT--CLVKGFPYSDIAVWESNGQPENNYKTP-PVLDS 185
DB 4 QSPVFPFLTRCKKNIPNATSVTLGCLATGYFPEPVVWTDT-GSLNGTMTLPAITLTL 62
QY 186 VGSFFLYSKLTVDKSRWQGNVFCVMEHALNNH-QORSLSLSPGKVEGGGSGGGS 244
DB 63 SGHATISLTLV-SGAMAK-QMFTCRVAHTPSSTDWDNKTFVVC----- 105
QY 245 GGGGSFTPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTNITWLEDQVMDVDLSTA 304
DB 106 --SRDFTPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTNITWLEDQVMDVDLSTA 163
QY 305 STTOGELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 364
DB 164 STTOGELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 223
QY 365 PSPFDLFIKSPITITGLVVDLAPSKGTVNLTWSRASGKRVNHSRKEEKORNGTLTVTST 424
DB 224 PSPFDLFIKSPITITGLVVDLAPSKGTVNLTWSRASGKRVNHSRKEEKORNGTLTVTST 283
QY 425 LPVGTDMWIEGTYQCRVTHPHLPALMRSSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 484
DB 284 LPVGTDMWIEGTYQCRVTHPHLPALMRSSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 343
QY 485 ACLIQNFMEDISVQWLHNEVOLPDARHSTTOPRKTGSGFVFSRLVTRAWEQKDEF 544
DB 344 ACLIQNFMEDISVQWLHNEVOLPDARHSTTOPRKTGSGFVFSRLVTRAWEQKDEF 403
QY 545 ICRAVHEAASPSQTVQRAVSNVPGK 569
DB 404 ICRAVHEAASPSQTVQRAVSNVPGK 428
```

RESULT 8

US-10-363-954A-1
; Sequence 1, Application US/10363954A.
; Publication No. US20040156838A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 4614-0115P
; CURRENT APPLICATION NUMBER: US/10/363,954A
; CURRENT FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: US 60/232,831
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: DK PA 2000 01326
; PRIOR FILING DATE: 2000-09-06
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (11)-(116)
; OTHER INFORMATION: Human IGE heavy chain C1 domain
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (209)-(216)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (205)-(219)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (315)-(323)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (244)-(251)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (272)-(280)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (301)-(311)
; OTHER INFORMATION: Epitope in FG loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (317)-(320)
; OTHER INFORMATION: Linker between domains C3 and C4
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (321)-(422)
; OTHER INFORMATION: Human IGE heavy chain C4 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (217)-(316)
; OTHER INFORMATION: Human IGE heavy chain C3 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (113)-(208)
; OTHER INFORMATION: Human IGE heavy chain C2 domain
US-10-363-954A-1

Query Match 57.7%; Score 1766; DB 16; Length 428;
Best Local Similarity 78.0%; Pred. No. 4.2e-108;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYLPSPRDELTKNQVSLT--CLVKGFPSPDIAVESNQPPENNYKTP--PVLDLS 185
Db 4 QSPSPVPLTRCKCKNI PSNATSVTLGLATGYFPPPVVMTWT--GSLNGTTVLPATLTLL 62

QY 186 VGSFELYSKLTVDKSRMOQGNVFSQSYMEBALHNHY-QQRLSLSPKKEGCGGCGGGS 244
Db 63 SGHATISILTV-SGAMAK-QMFTCRVAHTPSSSTDWDNKTFVC----- 105
QY 245 GGGGSPPTPVKILQSSCDGGHPPTIOLCLVSGTPTCTINTWLEDQVMDVLDSTA 304
Db 106--SRDFTPTVKILQSSCDGGHPPTIOLCLVSGTPTCTINTWLEDQVMDVLDSTA 163
QY 305 STTOEGELASTQSELTLQGHWLSDRTYTCQVYQGHTEFSDSTKCCADSNPRGSAVLSR 364
Db 164 STTOEGELASTQSELTLQGHWLSDRTYTCQVYQGHTEFSDSTKCCADSNPRGSAVLSR 223
QY 365 PSPFDLPFRKSPITTCVLDVLAQSKGTNLTWRSASGKPVNHSRKEKQKNGTLTVTST 424
Db 224 PSPFDLPFRKSPITTCVLDVLAQSKGTNLTWRSASGKPVNHSRKEKQKNGTLTVTST 283
QY 425 LPVGTDRMIGETVYQCRVTHPHLPALMRSTTSGPRAPPEVYAFATPEWPSRDRRTL 484
Db 284 LPVGTDRMIGETVYQCRVTHPHLPALMRSTTSGPRAPPEVYAFATPEWPSRDRRTL 343
QY 485 ACLIQNFMPEDISVQWLNHNEVOLPDARHSTTOPRKTGSGFPVFSRLVTRAEWQKDEF 544
Db 344 ACLIQNFMPEDISVQWLNHNEVOLPDARHSTTOPRKTGSGFPVFSRLVTRAEWQKDEF 403
QY 545 ICRAVHEAASPSQTVQRAVSVPNGK 569
Db 404 ICRAVHEAASPSQTVQRAVSVPNGK 428

RESULT 9
US-09-949-375A-7
; Sequence 7, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 441
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (11)-(106)
; OTHER INFORMATION: IGE heavy chain C1 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (113)-(208)
; OTHER INFORMATION: IGE heavy chain C2 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (217)-(317)
; OTHER INFORMATION: IGE heavy chain C3 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (321)-(422)
; OTHER INFORMATION: IGE heavy chain C4 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (427)-(441)
; OTHER INFORMATION: MIGIS fragment
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (209)-(216)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (318)-(320)
; OTHER INFORMATION: Linker between domains C3 and C4

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; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (205)..(219)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (315)..(323)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (244)..(251)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (272)..(280)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (301)..(311)
; OTHER INFORMATION: Epitope in FG loop
US-09-949-375A-7

```

```

Query Match      57.4%; Score 1755; DB 9; Length 441;
Best Local Similarity 77.9%; Pred. No. 2,3e-107;
Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

```

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QY 129 REPQVTLPPSRDELTKNOVSLT-CLVKGFPDIAVWESNGQPENNYKTP-PVLDS 185
DB 4 QSPSVFPLTRCCKNIPSNATSVTLGLATGFPPEPVWMDT-GSLNGTTMTLPATTLTL 62
QY 186 VGSFPLYSLKLVDSKRWQGNVSCSVMEALHNHY-QQRSLSLSPGKVEGGGSGGGS 244
DB 63 SGHYATISLTLV-SGAMAK-QMFTCRVAHTPESTDVNDKTSVC----- 105
QY 245 GGGGSLTPPVTKLQSSCDGGHFPPTIQLCLVSGYTGTITITWLEDCQWMDVLDSTA 304
DB 106 --SRDFTTPPVTKLQSSCDGGHFPPTIQLCLVSGYTGTITITWLEDCQWMDVLDSTA 163
QY 305 STTOEGELASTOSELTLSQKHWLSDRTYTCQVTVYOGHTFEDSTKCCADSNPRGVSAYLSR 364
DB 164 STTOEGELASTOSELTLSQKHWLSDRTYTCQVTVYOGHTFEDSTKCCADSNPRGVSAYLSR 223
QY 365 PSPFDLFIKRSPTITTCVLDVLAWSKGTVNLTWBSRASKPVNHSRKEKORNGTLTVTST 424
DB 224 PSPFDLFIKRSPTITTCVLDVLAWSKGTVNLTWBSRASKPVNHSRKEKORNGTLTVTST 283
QY 425 LPVGTDMIGETTYOQCVTHPHLPRAIMRSTTKSGPRAPEVYAFATPEWPGSRDKRTL 484
DB 284 LPVGTDMIGETTYOQCVTHPHLPRAIMRSTTKSGPRAPEVYAFATPEWPGSRDKRTL 343
QY 485 ACLIONMPEDISVOMLHNEVOLPDARHSTTOPRKTGSGFPVSRLEVTREAEQKDEF 544
DB 344 ACLIONMPEDISVOMLHNEVOLPDARHSTTOPRKTGSGFPVSRLEVTREAEQKDEF 403
QY 545 ICRAVHEAASPSQTVQRAVSVP 567
DB 404 ICRAVHEAASPSQTVQRAVSVP 426

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RESULT 10
US-10-363-954A-7
; Sequence 7, Application US/10363954A
; Publication No. US20040156838A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 4614-0115P
; CURRENT APPLICATION NUMBER: US/10/363,954A
; CURRENT FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: US 60/232,831
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: DK PA 2000 01326
; PRIOR FILING DATE: 2000-09-06

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; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 441

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; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (11)..(106)
; OTHER INFORMATION: Ige heavy chain C1 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (113)..(208)
; OTHER INFORMATION: Ige heavy chain C2 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (217)..(317)
; OTHER INFORMATION: Ige heavy chain C3 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (321)..(422)
; OTHER INFORMATION: Ige heavy chain C4 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (427)..(441)
; OTHER INFORMATION: MCHS fragment
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (209)..(216)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (318)..(320)
; OTHER INFORMATION: Linker between domains C3 and C4
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (205)..(219)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (315)..(323)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (244)..(251)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (272)..(280)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (301)..(311)
; OTHER INFORMATION: Epitope in FG loop
US-10-363-954A-7

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Query Match      57.4%; Score 1755; DB 16; Length 441;
Best Local Similarity 77.9%; Pred. No. 2,3e-107;
Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

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QY 129 REPQVTLPPSRDELTKNOVSLT-CLVKGFPDIAVWESNGQPENNYKTP-PVLDS 185
DB 4 QSPSVFPLTRCCKNIPSNATSVTLGLATGFPPEPVWMDT-GSLNGTTMTLPATTLTL 62
QY 186 VGSFPLYSLKLVDSKRWQGNVSCSVMEALHNHY-QQRSLSLSPGKVEGGGSGGGS 244
DB 63 SGHYATISLTLV-SGAMAK-QMFTCRVAHTPESTDVNDKTSVC----- 105
QY 245 GGGGSLTPPVTKLQSSCDGGHFPPTIQLCLVSGYTGTITITWLEDCQWMDVLDSTA 304
DB 106 --SRDFTTPPVTKLQSSCDGGHFPPTIQLCLVSGYTGTITITWLEDCQWMDVLDSTA 163
QY 305 STTOEGELASTOSELTLSQKHWLSDRTYTCQVTVYOGHTFEDSTKCCADSNPRGVSAYLSR 364

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US-10-000-439-6

Query Match 55.8%; Score 1707; DB 14; Length 320;
Best Local Similarity 100.0%; Pred. No. 2.3e-104;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 309
Db 1 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 60

QY 310 GELASTQSELTLISQKHWLSDRITTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRPSPD 369
Db 61 GELASTQSELTLISQKHWLSDRITTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRPSPD 120

QY 370 LFIKSPITTCVLDLAPSKGTNLTWSRASKPVNHSRKEKORNGTLVTSTLPVGT 429
Db 121 LFIKSPITTCVLDLAPSKGTNLTWSRASKPVNHSRKEKORNGTLVTSTLPVGT 180

QY 430 RDMIEGTTCVCRVTHPHLPALMRSTTKSGPRAPAEVYAFATPEWPGSRDKRTIACLIQ 489
Db 181 RDMIEGTTCVCRVTHPHLPALMRSTTKSGPRAPAEVYAFATPEWPGSRDKRTIACLIQ 240

QY 490 NFMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFFVFSRLVETRAEMEQKDEFICRAV 549
Db 241 NFMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFFVFSRLVETRAEMEQKDEFICRAV 300

QY 550 HEASPSQTVQRAVSVNPGK 569
Db 301 HEASPSQTVQRAVSVNPGK 320

RESULT 14

US-09-949-375A-2
; Sequence 2, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 323
; TYPE: PRT
; ORGANISM: homo sapiens
; NAME/KEY: DOMAIN
; LOCATION: (8)..(103)
; OTHER INFORMATION: Human IGE heavy chain C2 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (112)..(211)
; OTHER INFORMATION: Human IGE heavy chain C3 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (216)..(317)
; OTHER INFORMATION: Human IGE heavy chain C4 domain
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (104)..(111)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (212)..(215)
; OTHER INFORMATION: Linker between domains C3 and C4
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (100)..(114)
; OTHER INFORMATION: Epitope including C2C3 linker
; NAME/KEY: MISC FEATURE

LOCATION: (210)..(218)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (139)..(145)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (167)..(175)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (196)..(206)
; OTHER INFORMATION: Epitope in FG loop

US-09-949-375A-2

Query Match 55.8%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 2.3e-104;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 309
Db 4 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 63

QY 310 GELASTQSELTLISQKHWLSDRITTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRPSPD 369
Db 64 GELASTQSELTLISQKHWLSDRITTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRPSPD 123

QY 370 LFIKSPITTCVLDLAPSKGTNLTWSRASKPVNHSRKEKORNGTLVTSTLPVGT 429
Db 124 LFIKSPITTCVLDLAPSKGTNLTWSRASKPVNHSRKEKORNGTLVTSTLPVGT 183

QY 430 RDMIEGTTCVCRVTHPHLPALMRSTTKSGPRAPAEVYAFATPEWPGSRDKRTIACLIQ 489
Db 184 RDMIEGTTCVCRVTHPHLPALMRSTTKSGPRAPAEVYAFATPEWPGSRDKRTIACLIQ 243

QY 490 NFMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFFVFSRLVETRAEMEQKDEFICRAV 549
Db 244 NFMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFFVFSRLVETRAEMEQKDEFICRAV 303

QY 550 HEASPSQTVQRAVSVNPGK 569
Db 304 HEASPSQTVQRAVSVNPGK 323

RESULT 15

US-09-949-375A-4
; Sequence 4, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 3.

US-09-949-375A-4

Query Match 55.8%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 2.3e-104;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 309
Db 4 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 63

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QY 310 GELASTQSELTLSQKMWLSDRTYTQCVTYQGHTEFEDSTKCCADSNPRGVSAYLSRPSFD 369
Db 64 GELASTQSELTLSQKMWLSDRTYTQCVTYQGHTEFEDSTKCCADSNPRGVSAYLSRPSFD 123
QY 370 LFIKSPPTITCLVVDLAPSKGTNLTWSRASKPVDNSTREKORNGTLTVTSTLPVGT 429
Db 124 LFIKSPPTITCLVVDLAPSKGTNLTWSRASKPVDNSTREKORNGTLTVTSTLPVGT 183
QY 430 RDMIEGETYQCRVTHPHLPALMRSTTKSGPRAPEVYAFATPEWPGSRDKRTLACLIQ 489
Db 184 RDMIEGETYQCRVTHPHLPALMRSTTKSGPRAPEVYAFATPEWPGSRDKRTLACLIQ 243
QY 490 NFWPEDIISVQWMLHNEVQLPDARHSTTOPRKTGSGFVFSRLVETRAWEQKDEFICRAV 549
Db 244 NFWPEDIISVQWMLHNEVQLPDARHSTTOPRKTGSGFVFSRLVETRAWEQKDEFICRAV 303
QY 550 HEAASPSQTVQRAVSVNPGK 569
Db 304 HEAASPSQTVQRAVSVNPGK 323

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Search completed: March 14, 2005, 11:24:29
 Job time : 142 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 14, 2005, 11:00:35 ; Search time 43 Seconds
(without alignments)
987.798 Million cell updates/sec

Title: US-09-847-208b-7
Perfect score: 3060
Sequence: 1 EPRKCDKTHCPCPAPPELL.....HEAASPSQTVQRAVSVPKG 569

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 487530

Minimum DB seq length: 0
Maximum DB seq length: 569

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patente_AA:*
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2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1701	55.6	325	4 US-09-701-623C-1	Sequence 1, Appl
2	1247	40.8	277	4 US-09-428-082B-22	Sequence 22, Appl
3	1243	40.6	268	4 US-09-428-082B-8	Sequence 8, Appl
4	1243	40.6	269	4 US-09-422-838C-46	Sequence 46, Appl
5	1225	40.1	253	4 US-09-428-082B-16	Sequence 16, Appl
6	1225	40.0	232	2 US-08-595-043A-50	Sequence 50, Appl
7	1225	40.0	232	4 US-09-968-362A-26	Sequence 26, Appl
8	1225	40.0	331	4 US-09-178-869-2	Sequence 2, Appl
9	1225	40.0	331	4 US-09-761-413-2	Sequence 2, Appl
10	1225	40.0	360	3 US-09-180-100-11	Sequence 11, Appl
11	1225	40.0	371	1 US-08-236-111-7	Sequence 7, Appl
12	1225	40.0	371	3 US-08-457-918-7	Sequence 7, Appl
13	1225	40.0	371	4 US-10-157-408-7	Sequence 22, Appl
14	1225	40.0	376	3 US-09-180-100-22	Sequence 22, Appl
15	1225	40.0	396	2 US-08-784-512-3	Sequence 3, Appl
16	1225	40.0	396	3 US-09-176-228-3	Sequence 3, Appl
17	1225	40.0	424	5 PCT-US95-03866-12	Sequence 12, Appl
18	1225	40.0	424	5 PCT-US95-03866-14	Sequence 14, Appl
19	1225	40.0	437	5 PCT-US96-10043-11	Sequence 11, Appl
20	1225	40.0	442	4 US-08-472-888A-7	Sequence 7, Appl
21	1225	40.0	442	5 PCT-US96-10043-9	Sequence 9, Appl
22	1225	40.0	446	3 US-08-397-411-7	Sequence 7, Appl
23	1225	40.0	449	1 US-08-458-516-13	Sequence 13, Appl
24	1225	40.0	452	4 US-09-773-877B-16	Sequence 16, Appl
25	1225	40.0	459	1 US-08-157-101A-7	Sequence 7, Appl
26	1225	40.0	462	4 US-09-773-877B-18	Sequence 18, Appl
27	1225	40.0	467	4 US-08-030-175-41	Sequence 41, Appl

28	1225	40.0	467	4 US-08-030-175-42	Sequence 42, Appl
29	1225	40.0	475	4 US-09-740-002-27	Sequence 27, Appl
30	1225	40.0	476	2 US-08-378-939-10	Sequence 10, Appl
31	1225	40.0	476	3 US-08-487-550-4	Sequence 4, Appl
32	1225	40.0	476	3 US-08-487-550-12	Sequence 12, Appl
33	1225	40.0	476	4 US-09-526-098-4	Sequence 4, Appl
34	1225	40.0	476	4 US-09-526-098-12	Sequence 12, Appl
35	1225	40.0	476	4 US-09-383-916-4	Sequence 4, Appl
36	1225	40.0	476	4 US-09-383-916-12	Sequence 12, Appl
37	1225	40.0	478	3 US-08-487-550-8	Sequence 8, Appl
38	1225	40.0	478	4 US-09-526-098-8	Sequence 8, Appl
39	1225	40.0	478	4 US-09-383-916-8	Sequence 8, Appl
40	1225	40.0	497	4 US-09-499-846-6	Sequence 6, Appl
41	1225	40.0	525	4 US-09-499-846-4	Sequence 4, Appl
42	1225	40.0	547	4 US-09-746-359A-54	Sequence 54, Appl
43	1225	40.0	557	4 US-09-773-877B-14	Sequence 14, Appl
44	1225	40.0	567	4 US-09-825-561A-16	Sequence 16, Appl
45	1225	40.0	567	4 US-09-773-877B-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1
US-09-701-623C-1
Sequence 1, Application US/09701623C
Patent No. 6811782
GENERAL INFORMATION:
APPLICANT: Wang Ph.D., Chang Yi
TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF ALLERGY
FILE REFERENCE: 11514153US1
CURRENT APPLICATION NUMBER: US/09/701,623C
PRIOR APPLICATION NUMBER: 2000-12-01
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/US99/13959
PRIOR FILING DATE: 1998-06-20
NUMBER OF SEQ ID NOS: 91
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 1
LENGTH: 325
TYPE: PRT
ORGANISM: HUMAN
FEATURES:
OTHER INFORMATION: CH2CH3 of human IGE
PUBLICATION INFORMATION:
AUTHORS: Dorington,
AUTHORS: Benich,
JOURNAL: Immunology
VOLUME: 41
PAGES: 3-25
DATE: 1978
US-09-701-623C-1

Query Match 55.6%; Score 1701; DB 4; Length 325;
Best Local Similarity 99.4%; Pred. No. 2e-135;
Matches 318; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY	250	FTPTVKIIQSSCDGGHPPPTIQLCLVSGYPTGTINITWLBQGVMDVLSASTTQ	309
DB	6	FTPTVKIIQSSCDGGHPPPTIQLCLVSGYPTGTINITWLBQGVMDVLSASTTQ	65
QY	310	GELASTSELTLSQKWLSDRTTYCQTYGHTFEDSTKCAOSNPGVSAVLSRPSFPD	369
DB	66	GELASTSELTLSQKWLSDRTTYCQTYGHTFEDSTKCAOSNPGVSAVLSRPSFPD	125
QY	370	LFIKSPITICLVVDLAPSKGTWLTWSRASGKPVNSTRKEKORNGTLVTSTLPGVT	429
DB	126	LFIKSPITICLVVDLAPSKGTWLTWSRASGKPVNSTRKEKORNGTLVTSTLPGVT	185
QY	430	RDWIEGTQCRVTHPLPALMRSTTKSGPRAPEVVAFAPIEPFGSDKRTLACLIQ	489

Db 186 RDWIEGTYQCRVTHPHLPALMRSTTKISGPRAAEVVAFAATPEWPGSHRDKETLACLIQ 245
QY 490 NFMPEDISVQWMLNEVQLPARHSTTOPRKTGSGFVFSRLVTAEMBOXDEFICRAV 549
Db 246 NFMPEDISVQWMLNEVQLPARHSTTOPRKTGSGFVFSRLVTAEMBOXDEFICRAV 305
QY 550 HEAASPSQTVQRAVSVNPGK 569
Db 306 HEAASPSQTVQRAVSVNPGK 325

RESULT 2
US-09-428-082B-22
Sequence 22, Application US/09428082B
Patent No. 6660843
GENERAL INFORMATION:
APPLICANT: FEIGE, ULRICH
APPLICANT: LIU, CHUAN-FA
APPLICANT: CHEETHAM, JANET C.
APPLICANT: BOONE, THOMAS CHARLES
TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
FILE REFERENCE: A-527
CURRENT APPLICATION NUMBER: US/09/428,082B
CURRENT FILING DATE: 1999-10-22
PRIOR APPLICATION NUMBER: 60/105,371
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 1133
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 277
LENGTH: 277
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: FC-EMP-EMP
US-09-428-082B-22

Query Match 40.8%; Score 1247; DB 4; Length 277;
Best Local Similarity 81.8%; Pred. No. 3.5e-97;
Matches 239; Conservative 7; Mismatches 12; Indels 34; Gaps 5;
QY 6 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65
Db 2 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61
QY 66 GVEVHNVTKPREEOYNSTYRVVSVLTVLIHQNMNGKEYCKVSNKALPAPIEKTISKAK 125
Db 62 GVEVHNVTKPREEOYNSTYRVVSVLTVLIHQNMNGKEYCKVSNKALPAPIEKTISKAK 121
QY 126 VQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 185
Db 122 GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 181
QY 186 VGSFPLYSKLTVDKSRWQQGNVSCSYMHIALHNYQKSLSPGKVEGGGSG----- 240
Db 182 DGSFPLYSKLTVDKSRWQQGNVSCSYMHIALHNYQKSLSPGK--GGGGGGGTYSC 239
QY 241 -----GGSGGGGFTPTVKILQSSCGDGGGHPPTIQLCLVSG 280
Db 240 HFGPDLTWVCKPQGGGGGGGTY-----SC---HFGP-LTWVCKPQG 276

RESULT 3
US-09-428-082B-8
Sequence 8, Application US/09428082B
Patent No. 6660843
GENERAL INFORMATION:
APPLICANT: FEIGE, ULRICH
APPLICANT: LIU, CHUAN-FA
APPLICANT: CHEETHAM, JANET C.
APPLICANT: BOONE, THOMAS CHARLES
TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
FILE REFERENCE: A-527
CURRENT APPLICATION NUMBER: US/09/428,082B

QY 6 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65
Db 2 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61
QY 66 GVEVHNVTKPREEOYNSTYRVVSVLTVLIHQNMNGKEYCKVSNKALPAPIEKTISKAK 125
Db 62 GVEVHNVTKPREEOYNSTYRVVSVLTVLIHQNMNGKEYCKVSNKALPAPIEKTISKAK 121
QY 126 VQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 185
Db 122 GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 181
QY 186 VGSFPLYSKLTVDKSRWQQGNVSCSYMHIALHNYQKSLSPGKVEGGGSG----- 240
Db 182 DGSFPLYSKLTVDKSRWQQGNVSCSYMHIALHNYQKSLSPGKGGGGGIEGPTLRQ 241
QY 241 -----GGSGGGGFTPTVK 256
Db 242 WLAARAGGGGGGIEGPTLR 262

Query Match 40.6%; Score 1243; DB 4; Length 268;
Best Local Similarity 88.9%; Pred. No. 7.2e-97;
Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;
QY 6 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65
Db 2 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61
QY 66 GVEVHNVTKPREEOYNSTYRVVSVLTVLIHQNMNGKEYCKVSNKALPAPIEKTISKAK 125
Db 62 GVEVHNVTKPREEOYNSTYRVVSVLTVLIHQNMNGKEYCKVSNKALPAPIEKTISKAK 121
QY 126 VQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 185
Db 122 GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 181
QY 186 VGSFPLYSKLTVDKSRWQQGNVSCSYMHIALHNYQKSLSPGKVEGGGSG----- 240
Db 182 DGSFPLYSKLTVDKSRWQQGNVSCSYMHIALHNYQKSLSPGKGGGGGIEGPTLRQ 241
QY 241 -----GGSGGGGFTPTVK 256
Db 242 WLAARAGGGGGGIEGPTLR 262

RESULT 4
US-09-422-838C-46
Sequence 46, Application US/09422838C
Patent No. 6835809
GENERAL INFORMATION:
APPLICANT: LIU, CHUAN-FA
APPLICANT: FEIGE, ULRICH
APPLICANT: CHEETHAM, JANET C.
TITLE OF INVENTION: Thrombolytic Compounds
FILE REFERENCE: 01017/36263
CURRENT APPLICATION NUMBER: US/09/422,838C
CURRENT FILING DATE: 1999-10-22
PRIOR APPLICATION NUMBER: 60/105,348
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 46
LENGTH: 269
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-422-838C-46


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QY 126 VQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDS 185
| | | | |
DB 122 GQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDS 181
| | | | |
QY 186 VGSFPLYSKLTVDKSRMOQGNVSCSVMEHALNHNHYQORSLSLSPKVEGGGSGG----- 240
| | | | |
DB 182 DGSFPLYSKLTVDKSRMOQGNVSCSVMEHALNHNHYQORSLSLSPKVEGGGSGGIEGPTLRQ 241
| | | | |
QY 241 -----GGSGGSGGFPPTVK 256
| | | | |
DB 242 WLARAGGGGGGIEGPTLR 262
| | | | |

RESULT 5
US-09-428-082B-16
; Sequence 16, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428, 082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Pc-EMP
US-09-428-082B-16

Query Match 40.1%; Score 1226; DB 4; Length 253;
Best Local Similarity 84.7%; Pred. No. 1.8e-95;
Matches 233; Conservative 7; Mismatches 11; Indels 24; Gaps 4;

QY 6 DKHTCPCPAPELLGGPSVFLPPPKDITLMSRTPEVTCVVDVSHEDPEVKNYVD 65
| | | | |
DB 2 DKHTCPCPAPELLGGPSVFLPPPKDITLMSRTPEVTCVVDVSHEDPEVKNYVD 61
| | | | |
QY 66 GVEVHNKTKPREQYNSTYRVSVLTVLHQNMMNGKEYCKVSNKALPAPIEKTISKAK 125
| | | | |
DB 62 GVEVHNKTKPREQYNSTYRVSVLTVLHQNMMNGKEYCKVSNKALPAPIEKTISKAK 121
| | | | |
QY 126 VQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDS 185
| | | | |
DB 122 GQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDS 181
| | | | |
QY 186 VGSFPLYSKLTVDKSRMOQGNVSCSVMEHALNHNHYQORSLSLSPKVEGGGSGGSGG 245
| | | | |
DB 182 DGSFPLYSKLTVDKSRMOQGNVSCSVMEHALNHNHYQORSLSLSPKVEGGGSGG 232
| | | | |
QY 246 GGSFPTPTVKILQSSCDGGHFPPTIQLCLVSG 280
| | | | |
DB 233 GGCTY-----SC-----HNGP-LTWCKPKG 252
| | | | |

RESULT 6
US-08-595-043A-50
; Sequence 50, Application US/08595043A
; Patent No. 5935824
; GENERAL INFORMATION:
; APPLICANT: SGARLATO, GREGORY D.
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/595,043A
; FILING DATE: 31-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: SGAR-00371
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-595-043A-50

Query Match 40.0%; Score 1225; DB 2; Length 232;
Best Local Similarity 97.0%; Pred. No. 1.9e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPELLGGPSVFLPPPKDITLMSRTPEVTCVVDVSHEDPEVKF 60
| | | | |
DB 1 EPKSCDKHTCPCPAPELLGGPSVFLPPPKDITLMSRTPEVTCVVDVSHEDPEVKF 60
| | | | |
QY 61 NMVVDGVEVHNKTKPREQYNSTYRVSVLTVLHQNMMNGKEYCKVSNKALPAPIEKT 120
| | | | |
DB 61 NMVVDGVEVHNKTKPREQYNSTYRVSVLTVLHQNMMNGKEYCKVSNKALPAPIEKT 120
| | | | |
QY 121 ISKAKVQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTP 180
| | | | |
DB 121 ISKAKVQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTP 180
| | | | |
QY 181 PVLDSGGSFPLYSKLTVDKSRMOQGNVSCSVMEHALNHNHYQORSLSLSPGK 232
| | | | |
DB 181 PVLDSGGSFPLYSKLTVDKSRMOQGNVSCSVMEHALNHNHYQORSLSLSPGK 232
| | | | |

RESULT 7
US-09-968-362A-26
; Sequence 26, Application US/09968362A
; Patent No. 6797493
; GENERAL INFORMATION:
; APPLICANT: Sun, Lee-Hwei K
; APPLICANT: Sun, Bill
; APPLICANT: Sun, Cecily R
; TITLE OF INVENTION: Fc fusion proteins of human granulocyte colony-stimulating factor
; FILE REFERENCE: 03JUN2001
; CURRENT APPLICATION NUMBER: US/09/968,362A
; CURRENT FILING DATE: 2001-10-01
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Human IgG1 Fc with native hinge, CH2 and CH3 domains
US-09-968-362A-26

Query Match 40.0%; Score 1225; DB 4; Length 232;
```

[illegible]

RESULT 8
US-09-178-869-2
; Sequence 2, Application US/09178869E

```

?
? APPLICANT: Yao, Meng
? APPLICANT: Wong, Shou
? APPLICANT: Hickey, William F
? APPLICANT: Hamman, Joseph P.
? APPLICANT: Baetge, E. Edward
? TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION
?
? FILE REFERENCE: 17810-043
?
? CURRENT APPLICATION NUMBER: US/09/178,869B
?
? CURRENT FILING DATE: 1998-10-26
?
? NUMBER OF SEQ ID NOS: 14
?
? SOFTWARE: PatentIn Ver. 2.0
?
? SEQ ID NO 2
?
? LENGTH: 331
?
? TYPE: PR1
?
? ORGANISM: Homo sapiens
?
? OS-09-178-869-2

```

Query Match	40.0%;	Score 1225;	DB 3;	Length 331;
Best Local Similarity	97.0%;	Pred. No. 3.2e-95;		
Matches 225;	Conservative 3;	Mismatches 4;	Indels 0;	Gaps 0

Qy	1	EFASDRIALICPCAFELLDGGFSLFELFPAKULIMLSRIPZVLVVVDSHDEPBYNF	60
Db	100	EPKSCDKHTHTCPCPAPRLTGGPSVFLEPPPKDKDTLMTSRTEPVLCVVVDSDHEPVEVF	159
Qy	61	NMYVDGVEVHNAKTKPREEOYNSTRVYVSULTVLHQQNMNGEYKCKYSNKALPAPIEKT	120
Db	160	NMYVDGVEVHNAKTKPREEOYNSTRVYVSULTVLHQQMNGEYKCKYSNKALPAPIEKT	219
Qy	121	ISKAKVQPREPOVYTLPPSRDELITNOVSLTCLVGFYPSDIAVWMSGQPENNYKTTTP	180
Db	220	ISKAKGQPREPOVYTLPPSRDELITNOVSLTCLVGFYPSDIAVWMSGQPENNYKTTTP	279
Qy	181	PVLDSVGSFFLYSKULTVDSKRWQGNVSCSMVHEALHNHYQORSLSLSPGK	232
Db	280	PVLDSGGSFFLYSKULTVDSKRWQGNVSCSMVHEALHNHYQOKLSLSPGK	331

RESULT 9
US-09-761-413-2
; Sequence 2, Application US/09761413

```

; APPLICANT: Wong, Shou
; APPLICANT: Hickey, William F
; APPLICANT: Hammang, Joseph P
; APPLICANT: Baetge, E. Edward

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```

: TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION
: FILE REFERENCE: 17810-043
: CURRENT APPLICATION NUMBER: US/09/761,413
: CURRENT FILING DATE: 2001-01-16
: PRIOR APPLICATION NUMBER: US/09/178,869
: PRIOR FILING DATE: 1998-10-26
: NUMBER OF SEQ ID NOS: 14
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 2
: LENGTH: 331
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-761-413-2

Query Match          40.0%   Score 1225; DB 4;   Length 331;
Best local similarity 97.0%   Pred. No. 3,2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0

```

! ORGANISM: Homo sapiens
US-09-761-413-2

	Query Match	Similarity	Score	DB 4	Length	331	
	Best Local	97.0%	Pred. No.	3,28-95			
	Matches	225	Conservative	3	Mismatches	4	
				Indels	0	Gaps	0
Qy	1	EPKSCDTHTCPCPCPAPELLGGBSVFLEPPPKKDTLMSIRPEVYTCVVVYDSHEPPEYK	60				
Db	100	EPKSCDTHTCPCPCPAPELLGGBSVFLEPPPKKDTLMSIRPEVYTCVVVDSHEPPEYK	159				
Qy	61	NMYVDGVEYHNVKTKPREBOYNSYRYVSVYTLVHOMMNSKEYKCKSNALPAPIEKT	120				
Db	160	NMYVDGVEYHNAKTKPREBOYNSYRYVSVYTLVHODLNKEYKCKSNALPAPIEKT	219				
Qy	121	ISKAQVQPREQVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTTT	180				
Db	220	ISKAQGPREFQVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTTT	279				
Qy	181	PVLDVSQSFYLYSKLTYDKSKHMOQGNFSCGVMEHALHNHQQSLSLSPK	232				
Db	280	PVLDSDSQSFYLYSKLTYDKSKHMOQGNFSCGVMEHALHNHTQSLSLSPK	331				

RESULT 10
US-09-180-100-11

```

: Sequence 11 Application US/09180100
: Patent No. 6306395
: GENERAL INFORMATION:
: APPLICANT: NAKAMURA, No. 630639510
: APPLICANT: NAGATA, Shigekazu
: TITLE OF INVENTION: NOVEL Fas ANTISEN DERIVATIVE
: FILE REFERENCE: 1110-207P
: CURRENT APPLICATION NUMBER: US/09/180.100
: CURRENT FILING DATE: 1998-11-02
: EARLIER APPLICATION NUMBER: PCT/JP97/01502
: EARLIER FILING DATE: 1997-05-01
: NUMBER OF SEQ. ID NOS: 25
: SOFTWARE: PatentIn Ver. 2.0
: SEQ. ID NO. 11
:
: LENGTH: 360
:
: TYPE: PRT
:
: ORGANISM: Homo sapiens
: US-09-180-100-11

```

Query Match	40.0%	Score 1225	DB 3	Length 360
Best Local Similarity	97.0%	Pred. No. 3.7e-95		
Matches 225	Conservative	3	Mismatches 4	Indels 0
				Gaps 0

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKF 60

61 NMYVDGEVHNKTKPREQNSTYRVSVLTIVLHOMMNGKEYKCKVSNKALPAPIEKT 120

Db 249 ISKAGQPREQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQEPENNYKTP 308

Oy 181 PVLDSVGSFFLYSYKLTVDKSRHQGQGNFSSCVMEHALNNHYQQNSLSLSPGK 232

Db 309 PVLSDSGSFPLYSKLFTVDRKSRMOQGNVFCSCVMHEALHNNHYOTQSLSLSPGK 360

```
|||||
RESULT 11
US-08-236-311-7
; Sequence 7, Application US/08236311
; Patent No. 5565335
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/236,311
; FILING DATE: 02-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Haseak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 444P1C2
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELETEXT: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-236-311-7

Query Match 40.0%; Score 1225; DB 1; Length 371;
Best Local Similarity 97.0%; Pred. No. 3.8e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDTHTCPCPCPAPBELLGSPVFLFPKPKDTLMISTRTPEVTCVVDVSHEDPEVKF 60
Db 140 EPKSCDTHTCPCPCPAPBELLGSPVFLFPKPKDTLMISTRTPEVTCVVDVSHEDPEVKF 199
QY 61 NMTVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQWMNGKCKVSNKALPAPIEKT 120
Db 200 NMTVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQWMNGKCKVSNKALPAPIEKT 259
QY 121 ISAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIANWESNQPENNYKTTTP 180
Db 260 ISAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIANWESNQPENNYKTTTP 319
QY 181 PVLSDSGSFPLYSKLFTVDRKSRMOQGNVFCSCVMHEALHNNHYOTQSLSLSPGK 232
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Db 320 PVLSDSGSFPLYSKLFTVDRKSRMOQGNVFCSCVMHEALHNNHYOTQSLSLSPGK 371

```
|||||
RESULT 12
US-08-457-918-7
; Sequence 7, Application US/08457918
; Patent No. 6117655
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,918
; FILING DATE: 1-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/236311
; FILING DATE: 02-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Kubinec, Jeffrey S.
; REGISTRATION NUMBER: 36,575
; REFERENCE/DOCKET NUMBER: P0444P1C3
; TELEPHONE: 415/225-8228
; TELEFAX: 415/952-9881
; TELETEXT: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-457-918-7

Query Match 40.0%; Score 1225; DB 3; Length 371;
Best Local Similarity 97.0%; Pred. No. 3.8e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDTHTCPCPCPAPBELLGSPVFLFPKPKDTLMISTRTPEVTCVVDVSHEDPEVKF 60.
Db 140 EPKSCDTHTCPCPCPAPBELLGSPVFLFPKPKDTLMISTRTPEVTCVVDVSHEDPEVKF 199
QY 61 NMTVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQWMNGKCKVSNKALPAPIEKT 120
Db 200 NMTVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQWMNGKCKVSNKALPAPIEKT 259
QY 121 ISAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIANWESNQPENNYKTTTP 180
```

Db 260 ISKAKQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTP 319
QY 181 PVLDSVGSFPLYSLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSISPGK 232
Db 320 PVLDSGSFPLYSLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSISPGK 371

RESULT 13

US-10-157-408-7
Sequence 7, Application US/10157408
Patent No. 6710169
GENERAL INFORMATION:

APPLICANT: Capon, Daniel J.
Gregory, Timothy J.
TITLE OF INVENTION: Adhesion Variants
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/157,408
FILING DATE: 28-May-2002
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/457,918
FILING DATE: 1-JUN-1995
APPLICATION NUMBER: 08/236311

FILING DATE: 02-MAY-1994
APPLICATION NUMBER: 07/936190
FILING DATE: 26-AUG-1992

APPLICATION NUMBER: 07/842777
FILING DATE: 18-FEB-1992
APPLICATION NUMBER: 07/250785

FILING DATE: 28-SEP-1988
APPLICATION NUMBER: 07/104329
FILING DATE: 02-OCT-1987

ATTORNEY/AGENT INFORMATION:
NAME: Kubinec, Jeffrey S.
REGISTRATION NUMBER: 36,575

REFERENCE/DOCKET NUMBER: P0444P1C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-8228

TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
LENGTH: 371 amino acids
TYPE: amino acid
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-157-408-7

Query Match 40.0%; Score 1225; DB 4; Length 371;
Best Local Similarity 97.0%; Pred. No. 3, 8e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPPELLGGPSVFLPPTPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 140 EPKSCDKHTCPCPAPPELLGGPSVFLPPTPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199

QY 61 NMYVDGVEVHNATKPREEQYNSTYRVVSVLTVHLQOMNMGKEVKCKVSKALPAPIEKT 120
Db 200 NMYVDGVEVHNATKPREEQYNSTYRVVSVLTVHLQOMNMGKEVKCKVSKALPAPIEKT 259

QY 121 ISKAKQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTP 180
Db 260 ISKAKQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTP 319
QY 181 PVLDSVGSFPLYSLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSISPGK 232
Db 320 PVLDSGSFPLYSLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSISPGK 371

RESULT 14

US-09-180-100-22
Sequence 22, Application US/09180100
Patent No. 6306395
GENERAL INFORMATION:

APPLICANT: NAKAMURA, No. 630639510
APPLICANT: NAGATA, Shigekazu
TITLE OF INVENTION: NOVEL FAS ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P

CURRENT APPLICATION NUMBER: US/09/180,100
EARLIER FILING DATE: 1998-11-02
EARLIER APPLICATION NUMBER: PCT/JP97/01502

EARLIER FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 22
LENGTH: 376
TYPE: PRT

ORGANISM: Homo sapiens
US-09-180-100-22

Query Match 40.0%; Score 1225; DB 3; Length 376;
Best Local Similarity 97.0%; Pred. No. 3, 9e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPPELLGGPSVFLPPTPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 145 EPKSCDKHTCPCPAPPELLGGPSVFLPPTPKDTLMISRTPEVTCVVVDVSHEDPEVKF 204

QY 61 NMYVDGVEVHNATKPREEQYNSTYRVVSVLTVHLQOMNMGKEVKCKVSKALPAPIEKT 120
Db 205 NMYVDGVEVHNATKPREEQYNSTYRVVSVLTVHLQOMNMGKEVKCKVSKALPAPIEKT 264

QY 121 ISKAKQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTP 180
Db 265 ISKAKQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTP 324

QY 181 PVLDSVGSFPLYSLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSISPGK 232
Db 325 PVLDSGSFPLYSLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSISPGK 376

RESULT 15

US-08-784-512-3
Sequence 3, Application US/08784512
Patent No. 5872209
GENERAL INFORMATION:

APPLICANT: BARTNIK, Eckart
APPLICANT: EIDENMUELLER, Bernd
APPLICANT: BUETTNER, Frank
APPLICANT: CATERSON, Bruce

APPLICANT: HUGHES, Claire
TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)
TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner
STREET: Suite 500, 3000 K Street, N.W.
CITY: Washington, D.C.
COUNTRY: USA

ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk

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